This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

**Usage guidelines**

Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

+ *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.

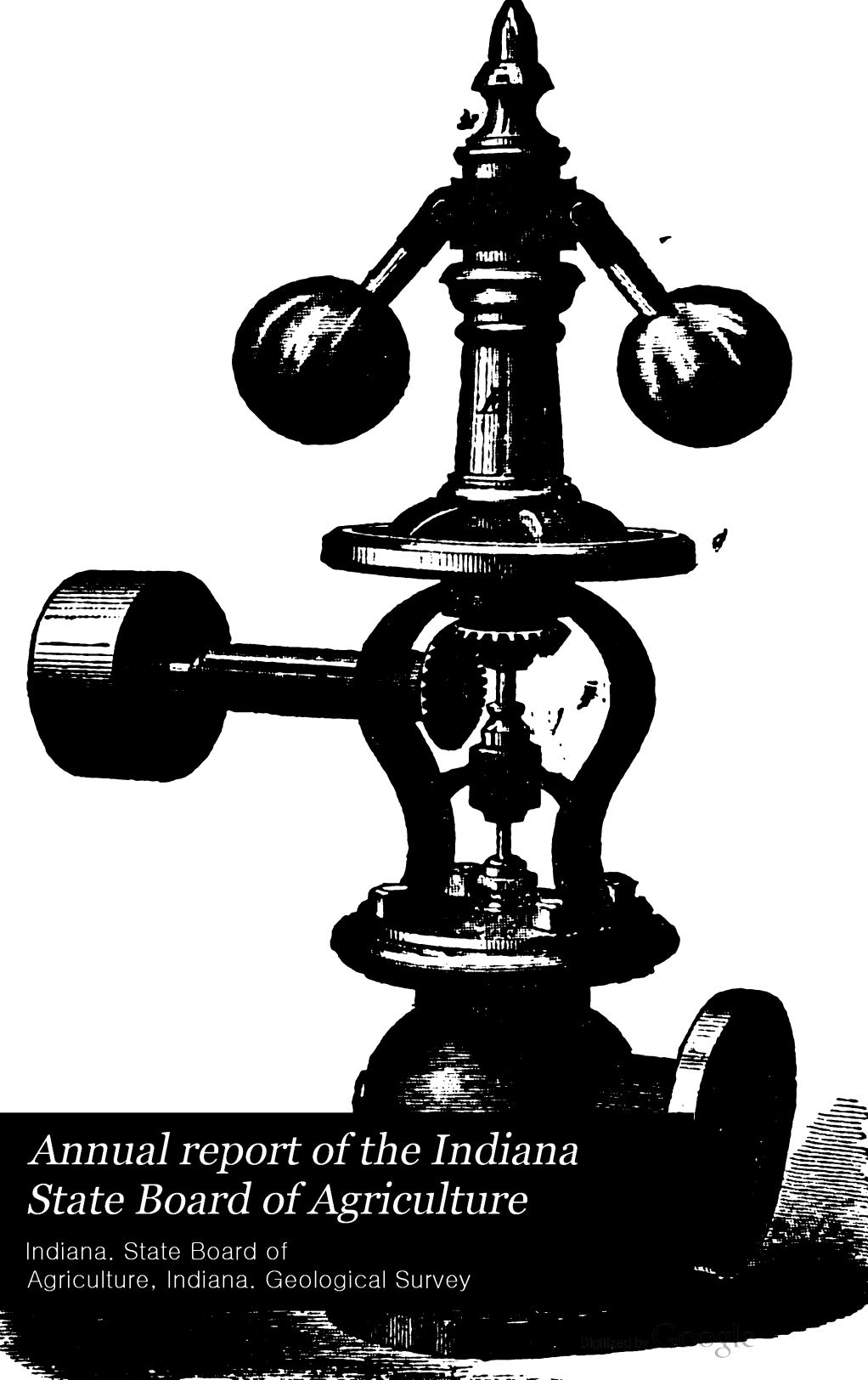
+ *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.

+ *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.

+ *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

**About Google Book Search**

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at `http://books.google.com/`



# *Annual report of the Indiana State Board of Agriculture*

Indiana. State Board of Agriculture, Indiana. Geological Survey

Digitized by Google

Sci 16312

Digitized by Google

Digitized by Google

Digitized by Google

Digitized by Google

Digitized by Google

Digitized by Google

## *CHAMPION REAPER.*

**MANUFACTURED BY WHITELEY, FASSLER & KELLY, SPRINGFIELD, OHIO.**

Digitized by Google

This volume does not contain the Geological Report of E. T. Cox. see p. 420.

# TWELFTH ANNUAL REPORT

OF THE

# INDIANA

# State Board of Agriculture,

AND THE REPORT OF

## PROF. E. T. COX, STATE GEOLOGIST.

---

INDIANAPOLIS:
ALEXANDER H. CONNER, STATE PRINTER.

1870.

Digitized by Google

~~V.4261~~
Sci 163.1.2

1872, Aug. 12.
Gift of
Chas. Louis Flint,
Secy of the Mass. Board
of Agriculture. (H.U. 1849.)

Digitized by Google

ROOMS OF INDIANA STATE BOARD OF AGRICULTURE,
INDIANAPOLIS, Jan. 6th, 1871.

*To the Honorable, the President of the Senate, and Speaker of the House of Representatives of the State of Indiana:*

GENTLEMEN: In compliance with the laws of the State, I herewith transmit, for your examination, a review and Report of the condition of Agriculture and Manufactures throughout the State, so far as they have been accessible to the Indiana State Board of Agriculture, with other information in regard to the products of our State; also, the able and very interesting Geological Report of Prof. E. T. Cox, State Geologist for 1870.

Very respectfully,
Your obedient servants,
J. D. WILLIAMS,
*President.*

JOSEPH POOLE, *Secretary.*

Digitized by Google

Digitized by Google

# OFFICERS

OF THE

# INDIANA STATE BOARD OF AGRICULTURE,

## FOR 1870.

---

PRESIDENT,
HON. JAS. D. WILLIAMS, Wheatland, Knox County.

VICE PRESIDENT,
JOHN SUTHERLAND, Laporte, Laporte County.

TREASURER,
CARLOS DICKSON, Indianapolis, Marion County.

GENERAL SUPERINTENDENT,
JNO. S. BENSON, Indianapolis, Marion County.

SECRETARY,
JOSEPH POOLE, Attica, Fountain County.

STATE GEOLOGIST,
PROF. E. T. COX, Indianapolis, Marion County

Digitized by Google

Digitized by Google

# MEMBERS

OF THE

# INDIANA STATE BOARD OF AGRICULTURE.

---

1st District—L. A. BURKE, New Harmony, Posey County.
2d District—Hon. J. D. WILLIAMS, Wheatland, Knox County.
3d District—J. C. SHOEMAKER, Cannelton, Perry County.
4th District—GEO. A. BUSKIRK, Bloomington, Monroe County.
5th District—BENJAMIN NORTH, Rising Sun, Ohio County.
6th District—THOS. V. MITCHELL, New Salem, Switzerland County
7th District—JACOB MUTZ, Edinburg, Johnson County.
8th District—W. C. DONALDSON, Montezuma, Parke County.
9th District—A. D. HAMRICK, Hamrick Station, Putnam County.
10th District—ALEXANDER HERRON, Connersville, Fayette County
11th District—WILLIAM CRIM, Anderson, Madison County.
12th District—JOSEPH POOLE, Attica, Fountain County.
13th District—H. CALDWELL, Wabash, Wabash County.
14th District—STEPHEN DAVIDSON, Rochester, Fulton County.
15th District—JOHN SUTHERLAND, Laporte, Laporte County.
16th District—L D. G. NELSON, Ft. Wayne, Allen County.

---

## EXECUTIVE COMMITTEE.

Hon. J. D. WILLIAMS, *ex officio.*

W. C. DONALDSON, A. HERRON,
JACOB MUTZ, H. CALDWELL.

Digitized by Google

Digitized by Google

# PREFACE.

The undersigned, in presenting the Twelfth Indiana Agricultural Report, assumes the responsibility with some doubt of his experience or ability to discharge that duty in a manner commensurate with the great importance that Agriculture and Manufactures now assume in our State. The geographical position of the State, its warm and medium climate, its rich, warm, alluvial and productive soil, plentifully supplied with the very best of timber, living streams of pure running water, with an abundance of the very best building stone, and other material, with its valuable and unsurpassed block coal fields, give it a position and importance equalled by but few States in the Union. Our block coal is abundant, and has proven to be among the very best iron-making coal in the world. The railroad facilities for convenience, and their connecting nearly every county in the State with our State capitol, and all important commercial points in the United States, and our central location, give the State of Indiana an importance of the first character, and an enviable position among the sister States of the Union. The contiguity of Indianapolis to our coal fields, with her eleven railroads running to all points of the compass, connecting her with these and other sources of wealth, with her present importance as a manufacturing point, bid fair at no distant day, to make her the first inland city in the west. The agricultural resources and products of the State are immense, and in proportion to territory, are not surpassed by any State in the Union. During the past year the County and District Agricultural societies have increased more rapidly than during any former period. Applications to the undersigned for forms for organizing County

Digitized by Google

and District societies have been very frequent, and many of them have been established on a basis and extent of liberality heretofore unknown in our State. Many of them embrace a number of counties, own large and beautiful grounds and improvements, and have held fairs and exhibitions during the fall that exhibited an interest and enterprise that insures the prosperity and success of the agricultural and mechanical interests of the State. The success of nearly every agricultural fair held in the State during the present year, has been complete, and has given general satisfaction to all concerned. The reports from the different County and District societies, exhibit a general interest and sound financial condition, seldom or never witnessed in any country. The average crops of all kinds throughout the State the present year, are good, the prices of products fair and remunerating, the health of the people generally good, and the prospects of agriculturists and agricultural societies in the future, quite flattering. The year 1870 will long be remembered as one of general prosperity. The winter broke up at an early day, and the spring broke forth about the middle of April with all the genial warmth and inspiring rays of the sun, that sound the glad tidings to all vegetable and animal life that winter had passed; freezing and thawing had ceased, and that nature had resumed her vernal beauty and grandeur. From this time until about the first of November, the season was generally good. Crops advanced and grew finely, and no frost made its appearance to check their growth. Every vegetable product grew to complete perfection, and were developed to their utmost extent. This statement is strongly evinced by the general success which has attended all our County and District fairs, and finally culminated in one of the best State fairs and grandest displays ever exhibited in the State.

Frosts and flood, and drouth no more,
The farmers' prospects spoil;
See piles of products now in store,
Rewards of labors toil.

To Providence, thanks and praise
For health and plenty are given;
Our grateful hearts all will raise,
For such bounteous gifts of Heaven.

Digitized by Google

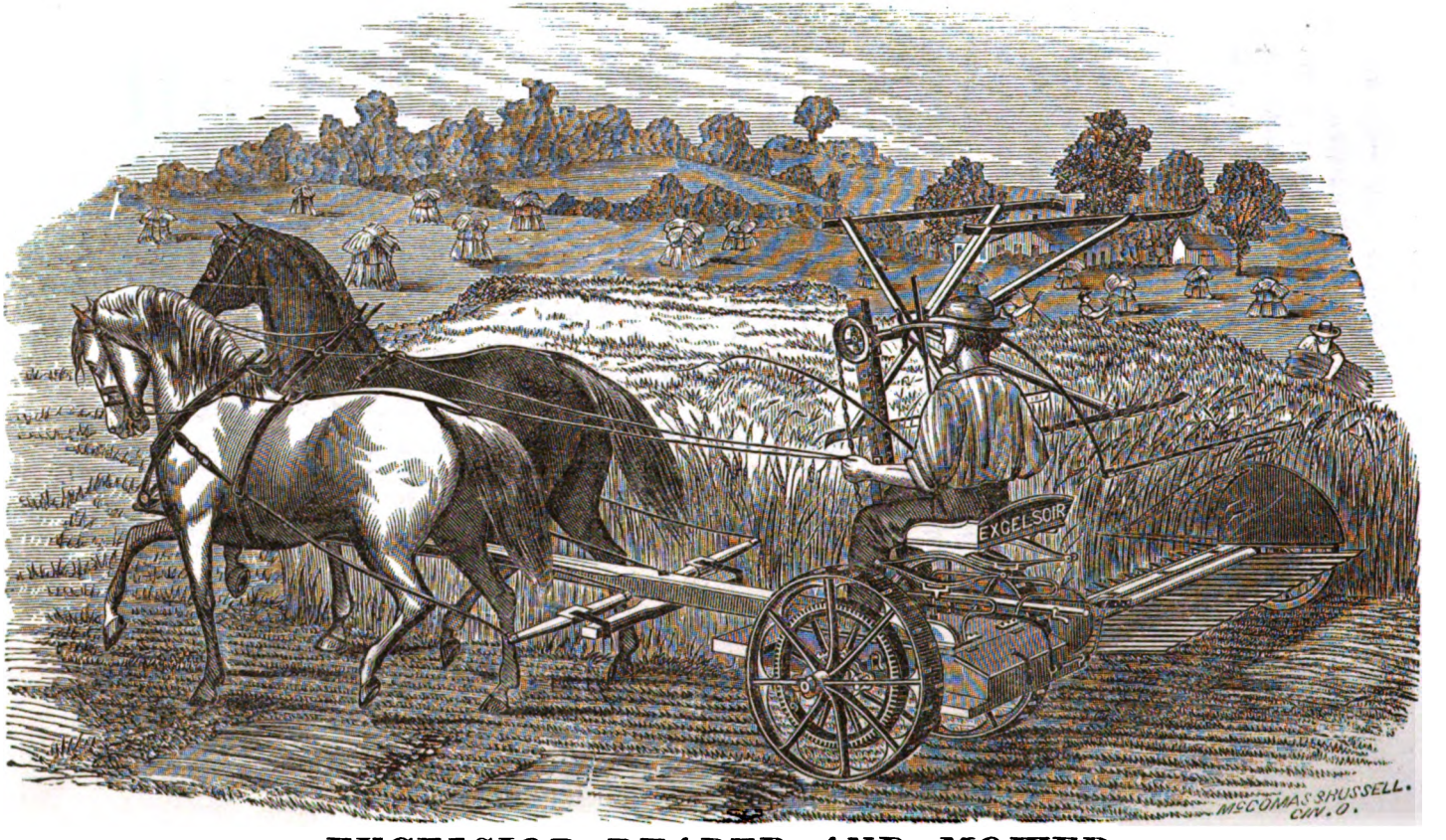
The State fair, in nearly every department, was all that could be expected, and in farm products and hogs, superior to any former exhibition. When we take into consideration the fact that a large fair was in operation at Cleveland, one at Cincinnati, a State fair in Kentucky, and the St. Louis fair at St. Louis, all attracting the attention of the citizens of our State, and our exhibitors generally, our success was unprecedented and complete. Our worthy Superintendent had improved our grounds, repaired our halls, and made all necessary arrangements for the comfort and convenience of visitors and exhibitors, and every officer did his respective duty in a manner that gave universal satisfaction. Not an accident occurred of any kind to mar the festive occasion. Much might be said of the great benefits and advantages to agriculturalists and mechanics, resulting from County, District, and State agricultural fairs. They are the great American idea brighteners of the present age. But fairs are of no new origin. Education and civilization have done much to change their character; but as far back as the year 800 we find Charlemagne establishing them in France, and, also, in 1071, William the Conqueror gave them great encouragement in England. The Actian Games, celebrated every third year, in honor of Apollo, with wrestling, horse-racing and sea-fights—also the bull-baiting of the Spaniards, not even yet discontinued—the Colliseum of Rome, capable of seating 80,000 persons, erected between 75 and 80, by the Emperors Vespasian and Titus, where gladiators met annually to contend with each other and with wild beasts. The jousts and tournaments but a few centuries ago, were Fairs suited to the period when they prevailed, but have gradually given way to the light of Christianity and civilization. That light burns brighter now and is making more rapid progress than at any former period in the world's history. The car of progress is moving onward—onward, and with more rapidity over ignorance, superstition and despotism. Money or accident of birth no longer sways the world; but brain, thought, energy and perseverance are the ruling powers of the present age. That individual who gives to the nation a new and important idea is a benefactor

Digitized by Google

to his race—better than a king or emperor, stronger than a Roman gladiator, richer than a Crœsus, and is, in fact, a nobleman by the right of nature and his own manhood.

The great practical advantages of Fairs are potent and apparent to the intelligent and illiterate, and from the various exhibitions of all products salutary and invaluable information may be obtained by actual observation and a free interchange of opinions. The Fairs are the great advertisement and exhibition day in every county, district and State where they are held. All the various cereals, roots, vegetables, fruits, machinery, farm implements, live stock and other products from all parts of the country, are on exhibition and examined by all. The very best and most valuable seeds, machinery, live stock and other products can be selected, the very best and most approved modes of cultivation learned. And the practical demonstration and information obtained in one day at these annual agricultural shows, may be worth thousands of dollars to the practical and discerning mind. Agriculture and agricultural societies have the prestige of antiquity. The first garden, according to Holy Writ, must have been planted by the hand of God, the great Agriculturist of the world. The Scriptures, from the creation, frequently allude to gardens, especially the Songs of Solomon and the Prophets. Xenophon describes the gardens of Sardis, and Epicurus and Plato taught in gardens. Abel, it is said, was a keeper of sheep, and Cain was a tiller of the soil. Cato, who was a Censor, and died B. C. 149, and Vorro, who died B. C. 28, were eminent Roman writers on agriculture. The first mentioned agricultural association was in the British island, and was the society for the improvement of agriculture in Scotland, organized in 1723. In Dublin, Ireland, an agricultural society was formed in 1740, which gave quite a stimulus to agriculture in that country. In 1793 the London Board of Agriculture was established by act of Parliament, and in 1838 the Royal Agricultural Society was established hy noblemen and gentlemen, the chief landed proprietors of the Kingdom, and was incorporated by Royal charter in 1840. London gave us the world-renowned crystal palace industrial exhibition in 1851. This

Digitized by Google




***EXCELSIOR REAPER AND MOWER.***

**MANUFACTURED BY D. H. HOOVER & CO., MIAMISBURG, OHIO.**

CASE & PARKER, Agents, Indianapolis.

Digitized by Google

Digitized by Google

was followed (July, 1853), by a similar exhibition on a grander scale in the city of New York, and in 1867 at the city of Paris, in France. All former agricultural and industrial exhibitions were eclipsed and far excelled by the most extensive and gigantic display of National products, enterprise and industry ever exhibited to the world. The Palace of the exhibition, situated on the *Champ de Mars*, (military grounds), covered a space of 161,304 yards, and was 1,593 feet in length.

The ground enclosed, contained 105 acres, were beautified with lakes, fountains, towers and flower gardens, with houses from nearly every nation on the globe, with the inhabitants of the nations cooking, living, and costumes of their respective countries. The world's animal and agricultural products, machinery and manufactures, were all there exhibited on a grand scale, the grand show of the universe. Our own State institution was organized in 1851, and our first exhibition held in September of that year. Some of our county societies were established previous to that date.

Our State, District and County institutions are so closely connected—their interests so nearly blended, that the benefit of one is the advantage of the other—the State organization being the central and governing power, but deriving its authority from officers selected by the County and District societies, and governed to a very great extent by their advice and the counsel of their delegates. The Indiana State Board of Agriculture feels a deep interest in the prosperity and success of all county and district societies in the State, and is anxious to extend every aid and facility in their power for their encouragement and support. The same feeling should, and undoubtedly does, exist in every county and district society towards the State organization.

I take much pleasnre in laying before the reader the able and very valuable Scientific Report of Prof. E. T. Cox, our worthy State Geologist. The report only embraces a few counties in our State, but as far as it goes, is thorough and reliable, and coming from the hand of such a scientific and practical Geologist, contains much valuable information.

The statement it contains in regard to our coal fields and

Digitized by Google

the mineral wealth of the counties examined, has done much towards developing the wealth of this portion of our State, by inducing capitalists to come from abroad, who have commenced the manufacture of iron and other products to a large extent. This Geological survey, thus prosecuted from year to year, is of immense value to our State. It brings to light new sources of wealth, publishes to the world where they are to be found, indicates the course to be pursued to make them profitable, and invites capital.

The discovery of immense quantities of Block Coal in various localities where it was not thought to exist—the fact, proved and demonstrated, that it is the best iron-making coal in the world, and that the very best steel can be made from this iron, gives an importance to our State and our manufacturing facilities surpassed by no State in the Union.

The Indiana State Board of Agriculture, at the last January meeting, passed a resolution authorizing Prof. Cox to inaugurate and arrange an excursion to Clay county and the coal fields and iron manufactures in that locality, and to invite capitalists, scientific men and manufacturers as guests. The Professor did that duty, nobly, and on the 5th of April last the excursion, under his control and management, composed of about five hundred capitalists, manufacturers and scientific men, from all parts of the Union, visited the fields proposed. The result was all that could be desired. The scientific men were astonished, and wondered why this hidden wealth had not been discovered at an earlier day. The manufacturers were surprised that such propitious locations should be neglected by men of their class, and the capitalists were delighted with the future prospects of profitable investments. The value of this exhibition of real wealth—the notice and notoriety given to it by this excursion, by inducing capitalists and manufacturers to settle and bring their numerous employes into our State, to consume the products of our farms and become permanent citizens, cannot be estimated or appreciated.

A more extended notice and report of this excursion will be found in another part of this volume.

In conclusion, the undersigned returns his sincere thanks to

Digitized by Google

the various County and District Agricultural Societies throughout the State for courteous treatment and prompt responses for all information desired, to the citizens of Indianapolis for sustaining me in my official capacity, and especially to the members and officers of the Indiana State Board of Agriculture, for their unversal kindness and support in my official duties.

JOSEPH POOLE,
*Sec'y Ind. State Board Agriculture.*

Digitized by Google

Digitized by Google

INDIANA

# STATE BOARD OF AGRICULTURE

## JANUARY 4,

## 1870.

---

THE INDIANA STATE BOARD OF AGRICULTURE, and delegates from county and district societies met in the State Agricultural rooms, in the State House, and was called to order at 10 o'clock, A. M., by the President, Hon. A. D. Hamrick.

The roll being called, the following members answered to their names:

From the 1st District—E. T. Cox.
From the 2d District—J. D. Williams.
From the 3d District—J. C. Shoemaker.
From the 4th District—John McCrea.
From the 5th District—Benjamin North.
From the 6th District—Thomas V. Mitchell.
From the 7th District—Jacob Mutz.
From the 8th District—W. C. Donaldson.
From the 9th District—A. D. Hamrick.
From the 10th District—Alexander Herron.
From the 11th District—William Crim.
From the 12th District—Jos. Poole.
From the 13th District—H. Caldwell.
From the 14th District*—
From the 15th District—John Sutherland.
From the 16th District—George W. McConnell.



*A. J. HOLMES, Deceased.

Digitized by Google

A call of County and District Societies was then made when the following delegates appeared and presented their credentials:

From the county of Boone, John Higgins.
From the county of Dearborn, C. C. Kelsey.
From the county of Fayette, Train Caldwell.
From the county of Fountain, J. W. C. Shultz.
From the county of Fulton, Stephen Davidson.
From the county of Grant, D. P. Cubberly.
From the county of Harrison, S. J. Wright.
From the county of Hendricks, Charles Lowder.
From the county of Henry, S. T. Powell.
From the county of Howard, Willis Blanch.
From the county of Jackson, John F. Carr.
From the county of Johnson, C. B. Tarlton.
From the county of Knox, J. D. Williams.
From the county of LaPorte, Abram Bush.
From the county of Madison, James Hazelett.
From the county of Marion, William H. Loomis.
From the county of Monroe, James Small.
From the county of Morgan, James E. Burton.
From the county of Owen, C. Fletcher.
From the county of Park, John Pichard.
From the county of Posey, L. A. Burke.
From the county of Rush, A. M. Kenneda.
From the county of Steuben, George W. McConnell.
From the county of Sullivan, Ferdinand Basler.
From the county of Vermillion, W. C. Donaldson.
From the county of Vigo, C. W. Barber.
From the county of Wabash, W. T. Ross.
From the county of Warren, R. G. Odle.
From the county of Wayne, Rankin Baldridge.
The following delegates reported from

DISTRICT SOCIETIES.

Union Agricultural Society, of Johnson, Shelby, Brown and Bartholomew—J. H. Thompson.

Digitized by Google

Honey Creek Agricultural and Horticultural Society—James H. Ellis.

Bridgeton Union Agricultural Society, of Park, Putnam, Clay and Vigo—Dempsey Seybold.

Fountain and Warren Agricultural Society—J. W. C. Schultz.

Agricultural Society of Owen, Monroe, Lawrence, Green, Clay, Putnam, Morgan and Hendricks—W. H. Fritz.

Union Society of Warren, Fountain and Vermillion—Joseph Poole.

Union Society of Warren, Benton and Grand Prairie—Joseph Poole.

On motion of Mr. Poole, James Hazelett and Harvy Cravens were admitted as delegates from the county of Madison, there being two Societies in said county.

On motion of Mr. Poole, Stephen Davidson was admitted as a delegate from Fulton county.

On motion of Mr. Poole, W. C. Donaldson was admitted as a delegate from Vermillion county.

On motion of W. H. Loomis, Calvin Taylor was admitted as a delegate from the Horse Fair Association of Sullivan and Vigo counties.

The Board being thus organized, were ready for the regular business of the session, whereupon the President presented his annual address as follows, to-wit:

## PRESIDENT'S ANNUAL ADDRESS.

*Gentlemen of the State Board of Agriculture:*

It affords me sincere pleasure to meet with you on this occasion; you have assembled as members and delegates from the various district and county societies from every part of our State. You come as the honored representatives of the most ancient and the most indispensable of all human occupations. As the President of this Board, I most cordially welcome you and greet you on its behalf. The year just closed has been one of unusual prosperity to our society;

Digitized by Google

under Providence our beloved State has been blessed during the past year with health, the richest of all earthly blessings, a favorable seed time and a glorious harvest have been vouchsafed to us; our Great Father has given us rain from Heaven and a fruitful season, filling our hearts with food and gladness. For these evidences of Divine favor let us be deeply thankful to God, the author of all our blessings.

Since our last annual meeting one of our members has been taken from us. Mr. A. J. Holmes, member elect from the Fourteenth District, and Secretary of our Board, while in the discharge of his duties for another society, on the 26th day of last April, he was thrown from his horse and received a fatal injury which resulted in his death on Thursday evening thereafter. In the loss of Mr. Holmes this Board has lost one of its most devoted members, and a most energetic and efficient Secretary. To the officers of this society his death has been most keenly felt, and in their behalf I most sincerely offer my heartfelt condolence to the surviving wife and children. I feel that it is due to the memory of our departed brother to say that much of the success of this society during the last few years has been the result of his active and constant efforts in its behalf.

The death of Mr. Holmes left the society without a Secretary, and without the power to appoint one, but fortunate for our society, one of our number, Mr. James D. Williams, being a member of the Legislature, introduced a bill in that body providing a remedy for this defect. Under a suspension of the rules it passed both Houses, and is now the law. Under this law, the President, in case of a vacancy in the office of Secretary, is authorized to make an appointment to continue until the next annual meeting of the Board. In obedience to this law, I took the liberty, on the 27th day of last May, to appoint the Hon. Fielding Beeler, of this county, to said office. Mr. Beeler entered at once upon the discharge of his duties, and from his long experience in agricultural fairs, and his devotion to our interest, gives promise of filling the place of his lamented predecessor with entire satisfaction.

Digitized by Google

RECEIPTS.

The receipts during the year have been as follows:

| | | |
|---|---|---|
| Subscription of citizens of Indianapolis | $ 1,191 | 34 |
| Appropriation of City Council | 1,000 | 00 |
| From the railroads | 996 | 60 |
| On account of appropriation of the State | 1,500 | 00 |
| On account of rents, cabinet cases, etc | 1,629 | 13 |
| Receipts during the fair | 22,345 | 65 |
| To which may be added cash on hand | 6,052 | 59 |
| Making a total of | 34,789 | 81 |

DISBURSEMENTS.

There have been paid out the following sums, to-wit:

| | | |
|---|---|---|
| For permanent buildings and repairs | $ 5,217 | 22 |
| Cash premiums | 7,519 | 00 |
| For current expenses, including medals and diplomas | 10,708 | 39 |
| Making a total of | $23,446 | 61 |
| Which deducted from the receipts, leaves a balance in the Treasury of | $11,345 | 20 |

For a specific account of receipts and expenditures, I respectfully refer you to the report of the Secretary and Treasurer.

Of all the fairs which it has been the fortune of this Board to hold, none have been so successful as the one held last fall, the exhibition was far in advance of any former exhibition, the stock on exhibition was more numerous and of the highest grade; Mechanics Hall was full to overflowing, the show of machinery and farm implements was only limited by the extent of our large ground around Power Hall, upon which it was crowded; in Fine Art Hall, Floral Hall, and indeed in all the Halls, the exhibition was all that the most sanguine could desire; the attendance was perhaps greater than had ever attended a State Fair in the Northwest—officers, exhibitors, and visitors, were alike gratified at the great success; but in the midst of the general rejoicings, on Friday evening about four o'clock, a most terrible accident occurred,

Digitized by Google

the boiler of one of the steam saw-mills exploded, scattering death and terror in every direction. This sad and unlooked for disaster suddenly closed our fair and changed our general rejoicings into sadness; it is due the public and the reputation of this Board that steps be taken that no similar accident shall ever occur upon our Fair Grounds.

In my annual address, two years ago, and again last year, I took the liberty of calling your attention to the necessity of having a geological survey made of the State, and endeavored therein to set forth some of the many advantages which would result therefrom, I am highly gratified to find that this subject not only met your entire approbation, but steps were taken at once to have the matter laid before the Legislature at its earliest assembling. His Excellency, Governor Baker, lent us his active aid—he not only addressed this Board on the importance of the survey two years ago, but likewise called the attention of the Legislature to the subject in his last annual message to that body. You are aware that the Legislature, at its last session, almost unanimously acceded to our wishes, and passed a law creating a Geologieal Bureau to act in connection with the State Board of Agriculture, and to be placed in charge of a State Geologist, who is to be both a competent practical Geologist and analytical chemist. Soon after the passage of this law, his Excellency, Governor Baker, appointed to the office of State Geologist Professor E. T. Cox, of New Harmony, Indiana, and a member of this Board from the First District.

It gives me pleasure to bear testimony to the fitness of his appointment. Professor Cox was assistant to the late David Dale Owen while prosecuting the surveys of Kentucky and Arkansas, and has been actively employed in making geological explorations in the West for the last sixteen years. Since his appointment, Professor Cox has been actively engaged in the duties of his office, and the result of his labors will soon be published with the report of this Board's proceedings.

Soon after receiving the appointment of State Geologist, Professor Cox moved to Indianapolis, bringing with him his

Digitized by Google

large and valuable private collection of geological specimens, and placed it in the geological rooms for public inspection; he also brought with him a good assortment of chemical apparatus and reagents.

As there was no room connected with the State House suitable for the analytical laboratory, the State officers, with a characteristic desire to subserve the interest of the State, determined to have one built, which has been finished, and has been neatly fitted up, and is well filled with furnaces and other apparatus belonging to a first class laboratory. The want of such an institution has long been felt in this State, and I am pleased to be able to say that the State Geologist is now prepared to make analysis of ores, coals, clays, and all other substance as may be required.

In advance of the publication of the forthcoming report, I may be permitted to state that the examinations of the State Geologist for this season have been confined mostly to a portion of the coal field; and he has succeeded in tracing the "block," or iron-smelting coals, from the southern limits of his survey, in Greene county, to the northern limits of the coal measures in Warren county, thus rapidly making known the importance and magnitude of the mineral wealth of the State.

In the eastern part of Greene, and the western part of Monroe county, there are found large deposits of a silicious brown oxide of iron that is exactly suited to mix with the red, short and more refractory magnetic ores from Lake Superior and Missouri, in order to make, by their union, a more neutral iron. This is a quality of iron always in great demand, and its manufacture is, therefore, an object of the first importance to the ironmaster. And when we take into consideration the great area of our iron-smelting coals, and the magnitude of the deposits of cold short iron ores in Greene and Monroe counties alone, (the State Geologist is confident of finding them in other counties), the importance of this ore can hardly be over-estimated to the State.

Besides the coal and iron ore, numerous quarries of both sand and limestone have been found in the district already

Digitized by Google

surveyed; and many of the sandstones are both beautiful and desirable, and can be quarried in blocks of any required dimensions. Many of these quarries are contiguous to some of our railroads, and may be shipped with great facility; they will doubtless be valuable additions to our present materials for building.

The recent fairs of this Board, and especially the last one, have shown, conclusively, the necessity of enlarging our grounds. Although it was thought ample grounds, and arrangements had been provided, it was found to be utterly impossible for exhibitors to properly display their goods, and equally impossible for visitors to examine them. I most earnestly recommend, therefore, that steps be taken at once to purchase and fit up additional grounds to meet the increasing demands of the public.

I would also recommend that at least two additional halls be built—a furniture hall and a miscellaneous hall—as the old ones are no longer suitable or sufficient for the purpose for which they were intended.

Your amphitheater, also, is found to be entirely too small, and should be greatly enlarged, or a new one built, for the comfort and convenience of visitors.

Gentlemen, this meeting marks the close of my official services as President of this Board. I should be doing injustice to my own feelings if I did not express my sincere thanks to each and every member of this Board for their uniform kindness and courtesy during my official service, and I only regret that it has not been in my power to render more valuable services for the kindness received at your hands. To the officers of the society—your Secretary, Treasurer and Superintendent—I am under lasting obligations for their hearty co-operation during the year. To our new Secretary, Mr. Beeler, I am greatly indebted for his active efforts from the date of his appointment to the present hour.

Gentlemen of the Board, your work for the year just past is finished. I am happy to-day to join my congratulations with yours, in view of the fact that your labors have been

Digitized by Google

crowned with such signal and complete success. You have but to look at the former history of this society; to its rapid progress; to its present high position; to fill you with the liveliest hopes for the future. But much yet remains to be accomplished; but encouraged by the success of the past, let us redouble our efforts to make the future still more successful than the past, and leave to those who succeed us the richest legacy which faithful services can bestow.

A. D. HAMRICK.

After which the following reports from the Secretary, Treasurer, and General Superintendent were read, to-wit:

## SECRETARY'S REPORT.

*To the President, Members and Delegates of the Indiana State Board of Agriculture:*

GENTLEMEN—I hereby submit to you a report of the financial condition of the State Board of Agriculture for the year ending January 1, 1870.

The Treasurer, Carlos Dickson, is chargeable with the following amount, for a detailed statement of which I would respectfully refer you to his report:

Total receipts from all sources ..... $34,789 81

EXPENDITURES.

1869.

| | | |
|---|---|---|
| Oct. 2. | By amount of cash premiums, live stock department. ..... | $5,010 00 |
| Oct. 2. | By amount of cash premiums, agricultural department..... | 1,096 00 |
| Oct. 2. | By amount of cash premiums, mechanical department..... | 962 00 |
| Oct. 2. | By amount of cash premiums, miscellaneous department. ..... | 451 00 |
| | Total cash premiums ..... | $7,519 00 |

Digitized by Google

MEDALS AWARDED.

*Live Stock Department—*

Oct. 2. Seven silver medals, $30 each, $210 00

*Mechanical Department—*

Oct. 2. Twenty silver medals, $30 each, $600 00
Oct. 2. Twenty-seven bronze medals, $20 each..... 540 00

*Miscellaneous Department—*

Oct. 2. One bronze medal..... ..... 20 00

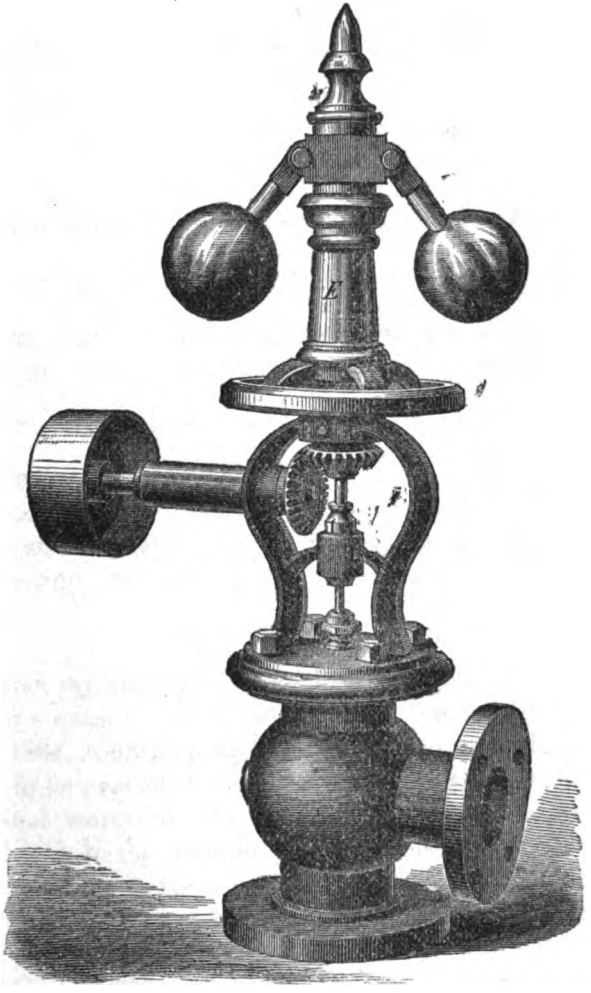
| | | |
|---|---|---|
| Total value of medals awarded ..... | | $1,370 00 |
| Two hundred and twenty-nine diplomas, $20 each | | 2,290 00 |
| Total premiums awarded, cash, medals and diplomas..... | | $11,170 00 |

There yet remain on the books cash premium orders uncalled for, as follows:

| | | |
|---|---|---|
| Agricultural department..... | $39 00 | |
| Live Stock department..... | 23 00 | |
| Mechanical department..... ..... | 44 00 | |
| Miscellaneous department..... | 15 00 | |
| Total ..... | | $121 00 |

| | |
|---|---|
| Cash premiums forwarded..... ..... | $7,517 00 |
| Mileage and per diem of members..... | 2,208 50 |
| Officers' salaries ($100.00 extra allowed)... ..... | 1,700 00 |
| Printing..... ..... ..... ..... | 645 69 |
| Improvements on fair grounds and repairs..... | 6,217 22 |
| Incidental expenses..... ..... | 841 82 |
| Stationery ..... ..... ..... | 329 13 |
| Furniture and library..... ..... ..... | 451 42 |
| Expenses of fair, including medals, engraving medals, etc..... ..... ..... ..... | 3,352 83 |

Digitized by Google



# THE AMERICAN GOVERNOR.

**Patented, manufactured and exhibited by C. A. CONDE & CO., Indianapolis.**

Digitized by Google

Digitized by Google

| | | |
|---|---|---|
| Expense of superintendence, police, gate-keepers, committees, laborers, etc | | 1,179 00 |
| Total expenses, as per orders issued | | $23,444 61 |
| Total amount of receipts for the year | | $34,789 81 |
| From which deduct the amount on hand at the last report | | 6,052 59 |
| Net receipts for the year | | $28,737 30 |
| Total expenses for the year | $23,444 61 | |
| From which deduct improvements for the year | 5,217 22 | |
| | | $18,237 30 |
| Net gain for the year's transactions | | $10,499 83 |

GEOLOGICAL DEPARTMENT.

| | |
|---|---|
| Received from State treasury, as per appropriation for geological survey | $5,000 00 |

DISBURSEMENTS.

| | |
|---|---|
| For salaries, assistance and expense | $3,157 39 |

I hereby present the proper vouchers for orders drawn during the year, with register of the same, together with the Treasurer's receipts and other papers for reference.

LIBRARY.

Shortly after my appointment as Secretary, my attention was called to a resolution of the Board, passed at the January meeting of 1868, appropriating the sum of two hundred dollars ($200), to be expended by the Secretary in the purchase of agricultural works for the library. Under this order I purchased books to the amount of one hundred and sixty-seven dollars and thirty-two cents (167.32). A portion of the works were purchased to meet the wishes of the State Geologist, Prof. Cox.

After making this purchase, I discovered that my predecessor, Mr. A. J. Holmes, had already drawn from the treasury

Digitized by Google

two hundred dollars ($200), apparently for this purpose, but no part of which appears to have been expended. I would suggest that the finance or some special committee be instructed to examine this matter.

I would respectfully recommend that the same amount be appropriated for this purpose for 1869.

### CLAIMS.

The suit of Messrs. Wheatley & McCord, referred to in the report of my predecessor as having been commenced against the Board, in the Marion County Circuit Court, has not yet been reached, but the prospect now is, that it will be shortly—perhaps during the present session of the Board.

The suit of the Board against the Citizens' Street Railway, for their subscription, was argued in the Court of Common Pleas sometime during the summer, but a decision has not yet been rendered.

I fully concur in the recommendation of the President for the construction of new buildings, and the enlargement of our grounds. Indeed, if we would keep pace with the progress of the day, and maintain the interest in our fairs, I consider an increase in the size of our grounds, an almost indispensable necessity. I would recommend the purchase of a sufficient amount of land adjoining, if the same can be had at a reasonable rate; if that cannot be accomplished, I would recommend the sale of our present grounds, and the purchase of a larger tract conveniently located, but not at present valued at so high a rate. I believe there are lands almost as convenient to the Union Depot as the present site, which can be had for about one-fourth the price per acre, that could be realized for the camp Morton grounds. I would recommend that the matter be inquired into at any rate before paying any extravagant price for adjoining land.

### REPORTS OF COMMITTEES.

I presume that almost all who have been connected with the management of Fairs, are aware of the difficulty of secu-

Digitized by Google

ring reports from Awarding Committees, as to the reason for their decisions.

Entry books are filled up and delivered to Committees, and as a general rule returned with simply a note of first and second premium opposite the names of the successful competitors; but no reason assigned as to why the awards are made. It may be said they are made because the animal or article is the best on exhibition; but the public would like to know the reason why the Committee consider them so. If the Board can *devise* any plan which will ensure reports, they will have made a step in the right direction.

### ESSAYS.

Though the Board offered premiums for Essays on various subjects, there were but five entries made this season. With the hope of drawing out a larger number, and on a greater variety of subjects; in the future, I would recommend an increase in the amount of premiums offered.

### REPORT.

It would have afforded me great pleasure to have been able to lay the annual report of the transactions of the Board before you at this meeting; but as it is required by law, that the report of the State Geologist shall be published with, and be a part of the report issued from this office, I am unable to do so in consequence of the inability of that officer to have his report ready for the press in time.

I deem it proper to say, (and take pleasure in doing so,) that this failure is from no lack of industry or zeal on the part of Professor Cox or his able assistant, Dr. G. M. Levette, as I know that they have used the utmost iudustry, laboring both in season, and out, to be ready at the earliest day possible consistent with the proper preparation of their work. I feel confident that neither the members of the Board, nor the public will regret the delay, when the work is laid before them.

In conclusion, let me say, that when called by the partiality

Digitized by Google

of your President to assume the responsibilities of the Secretary's office, I did so with distrust in my ability to properly discharge its duties, especially when I remembered the very able and efficient manner in which those duties had been performed by my immediate predecessor. I, however, felt confident that I could rely on your kind forbearance with any errors I might from my inexperience commit.

In conclusion, I desire to return my thanks to all, and especially to your President, Treasurer and Superintendent, for the uniform kindness and courtesy with which I have always been treated.

FIELDING BEELER, *Secretary.*

## TREASURER'S REPORT.

*Mr. President, and Gentlemen of the State Board of Agriculture:*

I herewith respectfully submit my report for the year ending December 31st, 1869.

CARLOS DICKSON, *Treasurer, in account with*

INDIANA STATE BOARD OF AGRICULTURE:

RECEIPTS.

| 1869. | | |
|---|---|---|
| January 1. | To cash on hand..... | $6,052 52 |
| January 13. | From Indianapolis and Cincinnati R. R. Co. 9th annual payment on Fair Grounds..... | 462 00 |
| Feb. 16. | Madison, Jeffersonville and Indianapolis R. R. Co. 9th annual payment on Fair Grounds ..... | 184 80 |
| April 5. | State, for annual appropriation..... | 1,500 00 |
| July 2. | State, for rent of rooms, cabinet cases, &c..... | 1,629 31 |

Digitized by Google

| | | | |
|---|---|---|---|
| July 10. | City of Indianapolis, 2d payment on Fair Grounds | 1,000 00 | |
| Sept. 25. | F. Beeler, on City subscriptions | 906 04 | |
| Oct. 2. | Isaac B. Loder, premium refunded | 55 00 | |
| Oct. 2. | Eating stands, shows, &c | 1,944 00 | |
| Oct. 2. | Sale of 76,337 gate tickets at 25 cents each, 13,174 amphitheatre tickets at 10 cents each | 20,401 65 | |
| Oct. 2. | Benj. North for error in account | 2 00 | |
| Oct. 30. | Peru and Indianapolis R. R. Co. 9th annual on Fair Grounds | 174 90 | |
| Dec. 20. | F. Beeler, for city subscription | 275 00 | |
| Dec. 28. | Madison, Jeffersonville and Indianapolis R. R. Co. 10th annual payment on Fair Grounds | 174 90 | |
| Dec. 29. | F. Beeler on city subscription | 10 30 | |
| Dec. 29. | Benj. Stout & Bro. refunded | 17 50 | |

DISBURSEMENTS.

| | | |
|---|---|---|
| Dec. 31. | By paid general expense warrants. | $15,052 68 |
| | Paid premium warrants | 6,841 50 |
| | Cash on hand | 11,995 63 |
| | $34,789 81 | $34,789 81 |

Digitized by Google

GEOLOGICAL DEPARTMENT.

RECEIPTS.

| | | |
|---|---|---|
| 1869. | | |
| May 17. | To cash received from State for Geological survey, &c..... | $5,000 00 |

DISBURSEMENTS.

| | | | |
|---|---|---|---|
| Dec. 31. | By cash paid on warrants..... | | $3,157 39 |
| | By cash on hand..... ..... | | 1,842 61 |
| | | $5,000 00 | $5,000 00 |

CARLOS DICKSON, *Treasurer.*

## SUPERINTENDENT'S REPORT.

HON. A. D. HAMRICK, *President, and Members of the Indiana State Board of Agriculture:*

GENTLEMEN—Your General Superintendent asks to submit the following report:

The early spring found the Fair Grounds in a somewhat deplorable condition: in addition to the natural wear and tear of eight years' use, four years of which it was in the service of the General Government as a military rendezvous, together with the destructive storm of April last, all contributed to render the general appearance of the ground quite uninviting. The new Mechanics' Hall erected last year was entirely demolished; as, also, a large portion of the fence, and many shade trees were torn up by the roots or broken by the storm. The cost of rebuilding the Mechanics' Hall will appear elsewhere in this report.

Having had many years' experience with Fair Grounds, dating from 1855, and having been so connected with your annual exhibitions nearly every year since that time; and having visited several State Fairs in other States during 1868 and 1869, has certainly given me an opportunity for observation not shared by any other officer of the Board. Not desi-

Digitized by Google

ring to obtrude my suggestions upon your valuable time, but believing that good to the cause may be thus obtained, I desire, with your permission, to submit a few suggestions and recommendations:

1. I am thoroughly persuaded that the admission of all side shows, auction stands, fat women, white negroes, snake shows and all classes of similar exhibitions, not clearly within the provisions of the law passed for the encouragement of agriculture and the mechanic arts, should be prohibited. They bring in their trail the worst classes of thieves and scoundrels of low and high degree; besides, no good emanates from their exhibitions; being within the ground gives them the countenance of the Board, as well as conveying to the unsuspecting the idea that they are useful and instructive, or they could not enjoy the privileges of the ground. The young are especially attracted by their flaming handbills, and the sugared words of the showmen:

> "Will you walk into my parlor,
> Said the spider to the fly;

for they amount to little else than an alluring bait to just that class of people who should, and perhaps do, visit your annual exhibitions for information touching agriculture or mechanical sciences, of which the State Fair is presumed to be an exposition. It is true, they add no little to the annual receipts; but if the sentiment of the people is such that they will not patronize State Fairs for the good thus sought to be fostered, it may well be a question of doubt whether or not the good resulting is commensurate with the great evil thus countenanced. Does the young lad remember more of Fine Art Hall than of the snake show? Are the impressions formed in the first as lasting as in the second? Is it as important to give the rising generation instruction in the side show business as it is to teach them in stock growing and the various arts connected with farming and mechanism? The undoubted answer of the masses who attend State Fairs, and all exhibitors, must be utterly opposed to the admission of all side



Digitized by Google

shows. Nor is the custom of admitting auction stands and trinket lotteries very much better.

2. The space heretofore occupied by these nuisances might be used to advantage for the display of reapers, plows, threshers, and other classes of farm machinery, thus relieving the constant pressure about Power and Mechanic Halls. Some preparation would first be necessary; but this, at farthest, would not cost more than a few hundred dollars. During the times of large gatherings, the interior or center of the ground, it appears to me, would be greatly relieved by this proposed change.

3. I would also advise the building of three or more eating stands, on the same plan as those built last year; they are necessary to the accommodation of the people, are a source of great revenue, equal to an investment at fifty per cent. per annum, and add greatly to the appearance of the ground, as compared to the unsightly, rough board sheds.

4. Fine Art Hall, though admirably adapted to the uses intended, is quite inadequate to our wants, as was so evident at the last fair, and should be enlarged. It can easily be extended to the north or south. This should be floored, and inclosed, as fine goods exhibited in it are greatly damaged by the dust.

5. Floral or Fruit Hall is also too small, but may in part be remedied by enlarging the pyramid in the center.

6. *Bridges.*—The bridge at the north side of the ground requires thorough repair; as, also, the gentlemen's water closet, which was originally constructed in connection with this bridge. The principal bridge on the south, at the main entrance, should be rebuilt, forty feet wide. This would admit carriages and footmen. The southwest bridge needs repairs.

7. *Stumps and Dead Trees.*—These old eye-sores have long been cumberers of the ground, and should be removed as soon in the spring as the weather will permit. Some of the trees, from their decayed condition, are dangerous from fall-

Digitized by Google

ing branches; and the trees are liable to be blown down at any time, thus damaging the buildings or fences.

8. *Fences.*—The greater portion of the fence having stood since 1860, and most of that time under severe usage, all requires thorough repair.

9. An exit gate should be built west of the Treasurer's office. On the west side of the ditch much space would be saved by moving the line of hog pens against the west fence, same as those built last summer. The old house in that neighborhood is unsightly, of little use, and should also be removed.

10. The picket fence on time track should be extended on both sides, some distance farther west.

11. The amphitheater has not only proved a comfort, but now is indispensable, besides being a profitable investment. If within the power of the Board, it should be extended at least one hundred feet farther east. It is thought that this would relieve the space usually so crowded about the judges' stand.

The Mechanics' Hall, having blown down, compelled the erection of a new one; which, together with other buildings, were put up by special contract, as follows:

| | |
|---|---|
| Mechanics' Hall | $ 800 00 |
| Floral Hall | 1,700 00 |
| Five Eating Stands ($289, each) | 1,445 00 |
| Total | 3,945 00 |

Farm product Hall is old, low, and illy adapted to the exhibition of farm products. I earnestly recommend its removal, thus relieving the center of the ground about executive headquarters of the continual pressure incident to the present location of Farm Product Hall.

The space under the amphitheater appears more particularly adapted to the exhibition of farm products than to anything else, and to fit it up for this purpose only requires putting up the neeessary tables. Commencing at the west end with farm products, we yet have, it is thought, sufficient

Digitized by Google

space for carriages and wagons; here then we have two halls without cost, to the credit of the amphitheater. Is not this an argument in favor of its extension?

A new hall should be built similar to "Fine Art Hall" for the exhibition of furniture and such articles as come under class miscellaneous, this hall should be octagon with 4 wings 35 x 80 each, the center of which would be well adapted to sewing machines or furniture. This hall would take the place of old Miscellaneous Hall and Furniture Hall.

It is evident from long experience that a hall should be erected for the exhibition of non-enumerated articles, the value of a large part of these articles, as new inventions, are entitled to better attention than they have hitherto received. When scattered over the grounds they are lost sight of, and the duties of the committees in that class are laborious in the extreme, besides justice cannot be done as the articles frequently cannot be found. As an experiment the present Furniture Hall might be used for this purpose. I earnestly recommend the planting of several hundred more shade trees, particularly is this necessary on the outer or line portion of the grounds, a thick belt of trees should surround the grounds and I would only recommend the planting of native hardy varieties, such as are known to succeed with ordinary care, including as many natives of our State as possible. No objection could be urged against their being planted along the banks of the ditch and about the outer side of the time track.

In conclusion, gentlemen, I am pleased to unite with you in mutual congratulations over the general success attending our late State Fair, which was, so far as I have been able to learn, the best exhibition held in the North West, with the single exception of that at St. Louis which is held under the auspices of a private coporation who offer exceedingly liberal premiums, thus inducing spirited competition from all sections of the country and a corresponding large number.

In the matter of local advantages we are more than their equals, and it may be that by adopting their practice of offering larger premiums we might be enabled to attain fully their standard both by way of large exhibitions and corresponding

Digitized by Google

receipts. However their admission charges are greatly in excess of ours, their admission fee being fifty cents, making no charge for entries.

Respectfully submitted,

JOHN B. SULLIVÁN,

*General Superintendent.*

---

On motion of Mr. Poole, the several reports were received and referred to the appropriate committees, viz.:

All the parts of said reports referring to finance, to the Committee on Finance and Claims.

All the parts of said reports, referring to rules and regulations, to the Committee on Rules and Regulations.

All the parts in regard to Fair Grounds, to the Committee on Fair Grounds.

All the parts in regard to unfinished business, to the Committee on Unfinished Business.

All the parts in regard to geological survey, to Committee on Geological Survey.

All the parts in regard to premium lists, to the Committee on Premium Lists.

In accordance with the above resolution, the President appointed the following Committee on

*Claims and Finance*—Caldwell, of Wabash; Crim, of Madison; Williams, of Knox; Thompson, of Johnson; Caldwell, of Fayette.

*Committee on Rules and Regulations*—Poole, of Fountain; McConnell, of Steuben; Fletcher, of Owen; Blanch, of Howard.

*Committee on Fair Grounds*—Caldwell, of Wabash, Mutz, of Shelby; Mitchell, of Rush; Bush, of LaPorte; Fritz, of Owen.

*Committee on Unfinished Business*—Cox, of Posey; Shoemaker, of Perry; Donaldson, of Parke; Small, of Monroe; Burke, of Posey.

Digitized by Google

*Committee on Premium Lists*—Williams, of Knox; Sutherland, of LaPorte; Herron, of Fayette; Baldridge, of Wayne; Barbour, of Vigo.

On motion of W. H. Loomis,

*Resolved*, That a committee of three be appointed on credentials, and they be requested to report this afternoon at four o'clock the names of such gentlemen as may be entitled to seats in this meeting of the Board.

The President appointed W. H. Loomis, of Marion; Donaldson, of Parke, and Herron, of Fayette, said committee.

On motion of W. H. Loomis—

*Resolved*, That the Standing Committee on Printing, together with the Secretary, be requested to inquire into the propriety of employing a short-hand reporter to report the proceedings of the State Horticultural Society, and report at the earliest moment consistent with the duty so required.

The following telegram was received from the Illinois State Board of Agriculture:

SPRINGFIELD, ILLINOIS, January 4, 1870.

*Secretary State Board of Agriculture, Indianapolis, Indiana:*

Illinois State Fair, this year, last week in September.

[Signed] JOHN P. REYNOLDS.

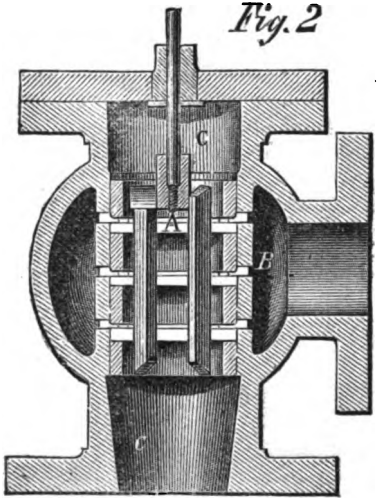
The question of the distribution of the reports of the State Board being introduced, several resolutions and amendments thereto were offered and discussed. Pending the discussion, Dr. Cox, the State Geologist, was requested to address the Board on the subject of the mineral resources of the State, which he proceeded to do in a very interesting and happy manner; after which the subject was again discussed by Messrs. Poole, Fletcher, Taylor, Ross, and others, when, on motion of Mr. Fletcher, all the resolutions and propositions were referred to a select committee of three. The President appointed the following as said committee: Dr. Cox, of Posey; Taylor, of Sullivan; Kenneda, of Rush.

On motion, it was—

*Resolved*, That an election be held to fill the vacancies that will occur by reason of expiration of term of service of members of this Board from the 1st, 2d, 3d, 4th, 7th, 14th, 15th and 16th Districts, on to-morrow at 2 o'clock P. M.

Digitized by Google

*Fig. 2*

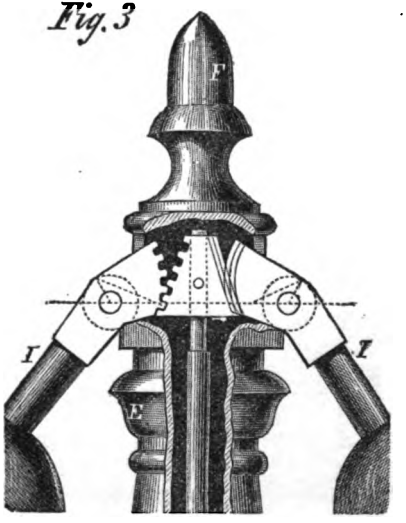



CONDE'S

**Improved Graduation Movement,**

Effecting perfect graduation.

*Fig. 3*




CONDE'S

**Double-Acting Balance Valve.**

(See opposite page.)

Digitized by Google

Digitized by Google

On motion—

*Resolved*, That Mr. Rodgers be admitted as a delegate from Putnam county.

On motion—

*Resolved*, That the Indiana State Fair be held at the State Fair Grounds, commencing on Monday, the third day of October, 1870, and that the Secretary be instructed to inform Ohio and other neighboring States.

On motion—

*Resolved*, That nominations be now made, for candidates to be voted for, to fill the vacancies that will occur in the State Board.

Whereupon the following nominations were made, viz.:

From 1st District—L. A. Burke.
" 2nd District—J. D. Williams.
" 3rd District—John C. Shoemaker.
" 4th District—George A. Buskirk.
" 7th District—L. W. Hasselman.
" " " Jacob Mutz.
" 14th District—Stephen Davidson.
" " " J. D. Cox.
" 15th District—John Sutherland.
" 16th District—Dr. McConnell.
" " " I. D. G. Nelson.

The Board then, on motion, adjourned to meet on to-morrow morning at half-past eight o'clock A. M.

JOSEPH POOLE,
*Secretary.*

---

JANUARY 5, 1870.

Board met pursuant to adjournment, and was called to order by the President.

The minutes were read and adopted.

Digitized by Google

The following named gentlemen then presented credentials, and were admitted as delegates:

From the county of Porter—A. Freeman.
" " " " Noble—John B. Stoll.
" Fall Creek Agricultural Association—H. Cravens.
" the county of St. Joseph—A. N. Miller.

Committees were called on for reports, no reports having been made.

The subject of the explosion at the late State Fair was introduced by Mr. Fletcher, and was discussed by several members of the Board, after which the following resolution was introduced and adopted:

*Resolved*, That the State Board elect be and are hereby directed and required to prevent all kinds of steam, of whatever character, where life usually would be endangered, on the Fair Ground.

The President announced the following committee on printing: Mr. Beeler, of Marion, Secretary of State Board; Mr. Barbour, of Vigo; Mr. Higgins, of Boone; Mr. Carr, of Jackson.

On motion of L. A. Burke—

*Resolved*, That it be the duty of the members of the State Board to visit each society once a year in their respective districts.

The committee on credentials, by their Chairman, made the following report, which was received:

*The Hon. A. D. Hamrick and members of the State Board of Agriculture*:

GENTLEMEN—Your committee on credentials have examined the books of the Secretary, and the credentials on file, and find the following named gentlemen entitled to participate in the election of members to the State Board and all other privileges of the State Board proper.

From the county of Boone—John Higgins.
" " " " Fayette—Train Caldwell.
" " " " Grant—D. P. Cubberly.

Digitized by Google

From the county of Morgan—J. E. Burton.
" " " " Monroe—James Small.
" " " " Posey—L. A. Burke.
" " " " Sullivan—F. Basler.
" " " " Marion—W. H. Loomis.
" " " " Vigo—C. W. Barbour.
" " " " Wabash—W. P. Ross.
" " " " Warren—R. G. Odle.
" " " " Owen—C. Fletcher.
" " Union Society—J. A. Thompson.
" " county of Howard—J. A. Ellis.
" " " " Owen and others—W. H. Fritz.
" " " " Hendricks—C. Lowder.
" " " " Parke—John Pickard.
" " Bridgeton District—D. Seybold.
" " county of Allen—I. D. G. Nelson.
" " " " Porter—A. Freeman.
" " " " Union—E. Pigman.
" " " " Jackson—John P. Carr.
" " " " Noble—John B. Stoll.
" " Fall Creek Agricultural Society—Henry Cravens.

Your committee are advised that there are several Presidents of County and District Societies, whose names we could not accurately obtain, who are entitled to their seats, and whose society reports appear in the reports of the Board just published, as follows:

From the county of Harrison—S. J. Wright.
" " " " Henry—L. S. Powell.
" " " " Johnson—C. B. Tarlton.
" " " " Rush—A. M. Kenneda.
" " " " Wayne—R. Baldridge.
" " " " Steuben—George W. McConnell.

The following named gentlemen were then admitted, as delegates, on their reporting to, and by order of the Board:

From the county of Madison—James Hazlett.

Digitized by Google

From the county of Howard—Willis Blanch.
" " " " Putnam—R. M. Hazlett.
" " " " Fountain—J. W. C. Shultz.
" " " " LaPorte—A. Bush.
" " " " St. Joseph—A. N. Miller.
" " " " Knox—J. D. Williams.
" " counties of Fountain, Warren, etc.—Joseph Poole.
" Southeastern Indiana—C. C. Kelsey.
" Indiana Horse Fair Association—C. Taylor.

The committee to whom was referred the resolution in regard to the distribution of the reports of the State Board, reported the following resolution, which was adopted:

*Resolved*, That the State Board of Agriculture be requested to distribute the forthcoming Agricultural and Geological reports to the different counties in the State in numbers proportioned to their respective population, as follows: To the President of Agricultural Societies, one copy of said report, to be placed in each township and public library in the county, and the remainder to be distributed by said societies as shall be deemed to be to the best interests of agriculture arts and manufactures, and in counties which have no agricultural or mechanical organizations, the number of copies to which said counties may be entitled shall be sent to the auditor of said counties to be distributed as above.

At the suggestion of Mr. Poole, Colonel McCrea, a retiring member of the Board, was requested to address the delegates, which he proceeded to do in a very entertaining manner, and closed by returning his thanks to the members for their uniform kindness with which he had always been treated, and with the wish that the good feeling which had always characterized the action of the Board should be continued.

On motion of Mr. Small, the following resolution was adopted:

*Resolved*, That the State Board of Agriculture be instructed to offer a premium of one hundred dollars for the best five acres of corn.

On motion of Mr. Fletcher—

*Resolved*, That the State Board be instructed to offer a premium of twenty dollars for the best acre of corn, to be raised by a boy under sixteen years of age.

In accordance with the resolution passed on yesterday, the

Digitized by Google

delegates proceeded to the election of members of the Board to fill the vacancies which occur at this time. The President appointed Thompson, of Edinburgh, and Barbour, of Vigo, tellers.

On motion of Mr. Poole, it was—

*Resolved*, That when only one candidate may be presented for membership in the State Board, the President shall cast thirty-six ballots for said candidate, and he shall thereby be declared duly elected, that being the number of delegates present entitled to vote.

The following named gentlemen were elected:

From the 1st District—L. A. Burke.
" " 2nd District—J. D. Williams.
" " 3rd District—J. C. Shoemaker.
" " 4th District—George A. Buskirk.
" " 7th District—Jacob Mutz.
" " 14th District—S. Davidson.
" " 15th District—John Sutherland.
" " 16th District—I. D. G. Nelson.

The Committee on Finance, by their Chairman, made the following report, which was received and adopted:

*To the State Board of Agriculture:*

Your committee to whom was referred the report of your Secretary, Treasurer, and Superintendent, makes the following report: We have examined the report of your Secretary, and find it correct with the exception of one order drawn by A. J. Holmes, in favor of himself, by order of the Board, for two hundred dollars, for the purpose of purchasing books for the use of the Agricultural Library, which amount still remains in his hands. We have no doubt the money was drawn with the full intention of making the purchases, but his sudden death prevented him from so doing. We find the registering journal corresponding with the stubbs of the order book, but we find some orders drawn, we think, without sufficient authority; one in favor of A. D. Hamrick, for fifty dollars, for services as committee to attend the meeting of the Legisla-

Digitized by Google

ture, and urging appropriations for the benefit of the agricultural interests of the State, and for an appropriation for geological survey. We can not find a record of any action of the Board on that point. Doubtless the act is correct, but we would recommend that all allowances made to members of the Board for any service should be submitted to them at their regular meetings for their approval.

The Treasurer's report we find to be correct; his register of orders correspond with the amount of orders redeemed.

The Superintendent's report we find to be correct, and accompanied with the proper vouchers.

Your committee would recommend the appointment of an Executive Committee from among the members of the State Board, as near the city as possible, in order to save expense in attending the meetings of the same.

All of which is respectfully submitted.

On motion of Mr. Caldwell—

*Resolved*, That a committee of three be appointed to investigate the per diem and mileage that has been paid to members of the State Board.

The President appointed the following gentlemen on said committee: Thompson, of Johnson; Higgins, of Boone, and Fletcher, of Owen.

On motion of Mr. Taylor, the following resolution was offered and referred to the State Board elect, viz.:

*Resolved*, That each delegate to this Board be allowed the same pay and mileage as is now allowed to each member of the State Board proper, and that the Treasurer of the State Board be authorized to pay the same in like manner.

The Committee on Rules and Regulations, by their Chairman, made the following report:

Your committee to whom was referred the reports of your President, Secretary, Treasurer, and Superintendent, in relation to rules and regulations, would beg leave to make the following report. We would recommend the adoption of all the following rules and regulations as heretofore

Digitized by Google

adopted and used by your Board with the following amendments, viz.: Admissions—Single horse and rider, three (3) tickets; single carriage and driver, four (4) tickets; double carriage and driver, (4) tickets; two-horse wagon and driver, four (4) tickets.

See rules and regulations as follows:

## RULES AND REGULATIONS.

### ENTRIES.

1. All entries must be made on Monday and Tuesday, except in cases of unavoidable accident or delay; and no entries will be made after the books are received by the Awarding Committee.

2. Entries must, in all cases, be made on the Secretary's books, and the entry ticket properly attached, before articles or animals will be entitled to a place within the enclosure; and no article can be removed from the grounds until the close of the fair.

3. No article can compete for more than one premium, unless as a part of a collection in the same class, or "sweepstakes."

4. No animal will be allowed to be entered in the name of any other person than the *bona-fide* owner or his agent; and if any should be entered in violation of this rule, they will not be permitted to receive a premium, although awarded them by the judges.

### ADMISSION.

Single tickets, twenty-five cents each, will be good for one admission only, and will be taken up at the gate, and no checks issued for return.

Single horse and rider, three tickets.

Single horse and driver, three tickets.

Double carriage and driver, four tickets.

Two-horse wagon and driver, four tickets.

Digitized by Google

GENERAL REGULATIONS.

1. The Board will carefully, preserve all articles while on exhibition during the fair, but will not be responsible for any losses or accidents that may occur.

2. No person will be allowed in the ring when animals are being exhibited, except the proper committee and marshals. Articles receiving premiums will be designated by the judges as follows: For the first premium, a *red ribbon;* for the second, a *blue ribbon;* and where a complimentary notice is made of an article by the committee, a *white ribbon.*

3. The State Board or the executive committee will be in their office during the week of the fair. They will appoint all officers, committees and agents, for the occasion, hear and decide all questions affecting the rights of exhibitors, or the duties of employes, and will have general supervision of the exhibition, and all differences between judges and exhibitors in regard to the rules and regulations, will be referred to the State Board at their office on the fair grounds, when in session.

4. The Secretary and Treasurer will keep their offices near the entrance to the fair grounds during the week of the fair, and will be ready to do business at all reasonable hours of the day.

5. The Superintendent will provide for the wants of the exhibitors; receive, arrange, and keep in order everything connected therewith; see that good order is maintained within the enclosure, and keep the State Board or the Executive Committee well advised of everything connected with the exhibition. He will be aided in the discharge of these duties by an assistant to each hall; also, one to the horse and mule department and one to the cattle, sheep and hog department—the several duties of whom shall be to attend *especially* to the departments assigned to them.

6. An efficient police force will be on the grounds day and night.

7. Ample arrangements will be made in the way of pens, stalls, feed and bedding for stock; but exhibitors will be re-

Digitized by Google

quired to pay fair rates for all grain, meal and hay used by them. No exhibitors will be allowed, personally, to have access to the books of the Secretary during the fair, but may, on proper application, have such explanations as are necessary, made by the Secretary.

8. Articles for which no premiums are offered will be entered as *non-enumerated*, and will be passed upon by a special committee, complimentary notices of them given and published, and such recommendation as they may be entitled to in their judgment. Such recommendation, however, will be subject to the approval of the State Board.

9. Competition will be open to the world, except as otherwise provided herein.

10. Persons entering stock and occupying stalls belonging to the Board, will be required to exhibit their stock in their respective rings of entry, and, on failnre to do so, will be charged one dollar per day for each stall used.

11. No premiums will be paid, or award published, for any fruits, vegetables or grain, either single or in collections, that have not been grown by the individual entering the same.

12. The Board of Agriculture's diploma, has been, and shall continue to be considered, the highest commendation, and will only be awarded as a first premium. Its medal shall stand next in importance, and cash premium third.

13. Exhibitors of stock will be required to keep their stalls open and their stock accessible to visitors at all reasonable hours during the fair.

14. Exhibitors and visitors will take notice that no change whatever will be made in the foregoing Rules and Regulations or in the Instructions to Judges, but that they will be strictly adhered to in every particular.

15. WHEREAS, The painful and disastrous explosion of the steam boiler at the last State Fair has produced serious apprehensions that the same casualties may occur again, unless proper precaution be exercised to prevent the same; and

WHEREAS, This Board had taken unusual steps to avoid such an occurrence, by special direction of its officers, to all the exhibitors using steam for the working of their machinery; and that

WHEREAS, Said exhibitors did not pay proper regard to such instructions, in consequence of which said accident happened; therefore,

Digitized by Google

*Resolved*, That it is the duty and intention of this Board to throw such further guard and restrictions around the exhibition of all machinery requiring the use of steam, so as to render it safe from explosion, in the opinion of a committee hereafter to be appointed under this resolution.

*Resolved*, That the Executive Committee is hereby instructed and required to appoint a committee, to consist of at least one competent engineer, whose duty it shall be to see that every necessary precaution is taken to protect exhibitors and visitors from all danger from the use of steam on the exhibition ground, at the next State Fair; and that all exhibitors not complying strictly and promptly with their requirements, shall be at once removed from the ground.

We would recommend the adoption of the following as rule 15:

No locomotive or steam engine of any kind will be permitted inside of the Fair Grounds without being entirely subject to the control of the State Board of Agriculture, and said State Board will use their very best efforts to devise such means and adopt such measures, as will, as far as possible, prevent any accident from their use during the fair.

On motion, the report was received and adopted.

The Committee on Premiums, by their Chairman, made the following report, which was received and adopted:

MR. PRESIDENT—Your Committee on the Premium List have had the same under consideration, and make the following report, viz.: Give a premium for the best boar under six months old; also, for the best sow under six months old; also, for the best boar and five of his pigs under six months old; strike out five fat hogs and insert one; strike out all that relates to velocipedes.

The resolution of Mr. Sutherland, in regard to side shows, and which was rejected, was, on motion of Mr. Loomis, reconsidered and adopted.

The resolution reads as follows:

*Resolv d*, That this Board direct the State Board proper to prohibit all side shows on the Fair Ground.

Digitized by Google

Committee on per diem and mileage of members made the following report, which was received and adopted:

The committee to whom was referred the examination of the items of mileage and per diem of the members of the Board for the past year, would respectfully report that, the amount drawn by the members for the above items has been in accordance with the prices fixed by the Board—as allowances for services rendered, at the rate of five dollars per day, and for mileage at the rate of seven cents per mile. We would also report, in refutation of the charge made in a public journal, of this city, against the Hon. A. D. Hamrick, that a critical examination of the vouchers in the hands of the proper officers of the State Board show that he has received the sum of $19 4-100 for mileage; for services during the year past in discharge of duties placed upon him by the Board:

| | |
|---|---|
| Thirty-three days at $5 | $165 00 |
| Mileage | 19 04 |
| Total | $184 04 |

The committee on unfinished business, by their Chairman, made the following report, which was received and adopted:

*Mr. President and members of the State Board of Agriculture:*

Your committee appointed to report on the unfinished business find, on examination of the books placed in their hands, that it is a matter that belongs exclusively to the State Board proper to decide upon the awarding of premiums to articles not enumerated in the premium lists, and as some of the books date back two years, they beg leave to return them to the Secretary. The committee beg to suggest to the Board that the proper time to attend to awarding premiums on non-enumerated articles is immediately after the books have been returned to the Secretary's office, and before the closing of the Fair.



Digitized by Google

On motion of Mr. Poole, the following resolution was adopted:

*Resolved*, That every delegate and representative present at the present delegate State Board be presented with a complimentary family ticket of admission to the State Fair, this fall, and that the Secretary is hereby instructed to forward the same to the proper persons.

The State Board of Delegates then adjourned *sine die*.

## MEETING OF THE STATE BOARD PROPER.

JANUARY 6, 1870.

State Board met at half-past nine o'clock A. M., and was called to order by the President, A. D. Hamrick.

After reading the minutes of the Delegate Board, the roll was called, and all the members of the Board answered to their names.

On motion, the Board proceeded to the election of officers for the coming year.

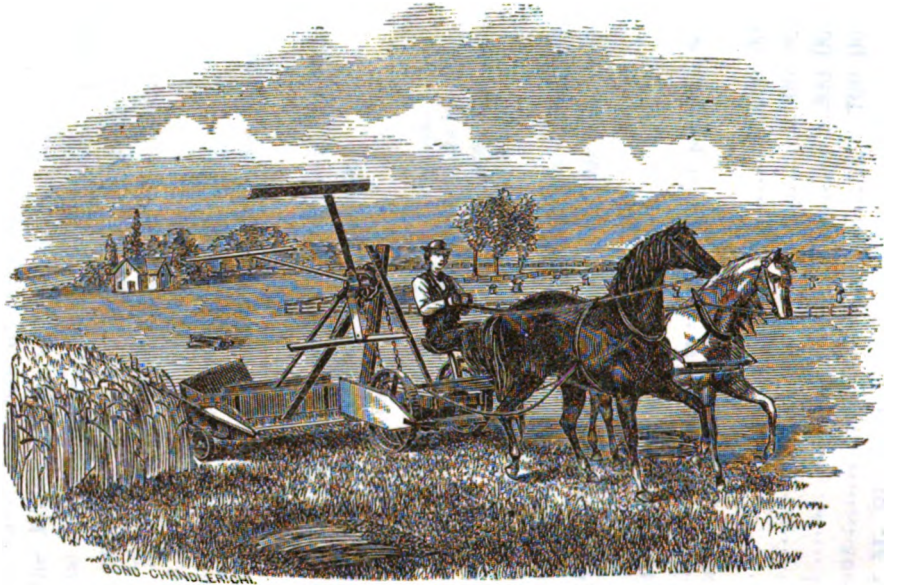
James D. Williams was elected President.

Mr. Hamrick, the retiring President, then addressed the Board, as follows:

*Gentlemen of the Board:*

The time has now arrived when I must take leave, in an official manner, of your members of the Indiana State Board of Agriculture, and before vacating the chair, which your kindness has now given me for three years, I wish to say how much more I feel than I can express. The uniform courtesy and help which you gentlemen have extended to me without one exception during our association with each other is kindly appreciated. I know that I have often failed to do my duty, as your executive officer, even with the best intentions, and yet I have always been sustained by each one of you in a most satisfactory manner. I want to express my sincere and heartfelt thanks to each member of the Board for their great courtesy, and for their prompt assistance to me in the discharge of our duties, and the great attention which the members have at all times given to the interests of agriculture n

Digitized by Google




***McCORMICK REAPER AND MOWER COMBINED.***

**MANUFACTURED BY McCORMICK & BRO., CHICAGO, ILL.**

**H. J. PRIER, AGENT, INDIANAPOLIS.**

Digitized by Google

Digitized by Google

the State. Our connection has been a very pleasant one, and the remembrance of our intercourse will be always a bright spot in my thoughts. I trust most sincerely that there will always be the same harmony of intercourse in the future meetings of the Board as has hitherto existed, and that our meetings will be more and more useful with each returning year. In the performance of my last official act, it affords me unfeigned pleasure to introduce to you the Hon. J. D. Williams, your President for the ensuing year.

John Sutherland was then elected Vice-President.

Joseph Poole was elected Secretary, and Carlos Dickson Treasurer.

On motion, it was resolved that the election of Superintendent be postponed until the February meeting.

On motion of Mr. Donaldson—

*Resolved*, That the Secretary of the State Board of Agriculture be requested to confer with the different Railroad Companies, or the Presidents of the same, and procure passes for the members of the State Board, who travel over their roads to attend the different meetings of the Board.

Mr. Mutz, Mr. Herron, Mr. Donaldson and Mr. Caldwell, were then elected as the Executive Committee for the ensuing year.

On motion of Mr. Hamrick—

*Resolved*, That the following amount be appropriated for premiums for the year 1870; $9,000 to be appropriated as follows:

| | | |
|---|---|---|
| For Live Stock | $5,000 | 00 |
| " Agriculture | 2,000 | 00 |
| " Mechanical | 1,200 | 00 |
| " Miscellaneous | 700 | 00 |

On motion of Mr. Shoemaker—

*Resolved*, That the Treasurer be directed to invest seven thousand dollars in government five-tweaty bonds upon the best terms he can.

On motion of Mr. North—

*Resolved*, That an appropriation of two hundred dollars be made and placed subject to the order of the Secretary of State Board of Agriculture, to be expended for books, to be selected by and with the consent of the Secretary of the State Board of Agriculture and State Geologist for 1870; and that the amount drawn by A. J. Holmes be collected by the Secretary, and paid into the treasury.

Digitized by Google

Mrs. Flanner having made a proposition to dispose of her large Botanical collection for the sum of seven thousand dollars, which proposition, on motion of Mr. Poole, was not accepted.

On motion of Mr. Poole, at the request of William H. Loomis, the following order was made:

WHEREAS, The records of the Board of Agriculture show sundry charges and matters against the official action of W. H. Loomis, Secretary of the Board from 1861 to January, 1867; and

WHEREAS, The said Loomis is aggrieved, and of right ought to be, and desires a thorough investigation on the part of the Board; therefore be it

*Ordered*, That the Hon. A. D. Hamrick, J. Sutherland, H. Caldwell, W. C. Donaldson and the Hon. J. D. Williams, be and the same are hereby appointed a committee, with instructions to examine fully and thoroughly all reasonable matters connected therewith, and report at their earliest convenience.

Mr. Daniel Kneffler presented a bill against the Board for sundry services, which bill was referred to the Committee on Finance.

On motion of Mr. Herron it was—

*Ordered*, That the Secretary have included in the annual report of 1869, the report of the County and District Agricultural Societies that are on hand, as handed in during the last meeting, if convenient to do so.

The protest of J. George Stilz against certain premiums awarded to R. A. Lukens, was presented by Mr. Beeler, and on motion of Mr. Poole, was referred to the Committee on Premiums, with instructions to report at meeting of the Board in February. A like disposition was made of certain papers filed by Mr. Albershardt, in regard to boots and shoes.

On motion of Mr. Hamrick—

*Resolved*, That an appropriation of one hundred dollars be made and placed under the control of the State Geologist, Professor E. T. Cox, for the purpose of putting up the case in the room of the Indiana State Board of Agriculture, with specimens of Indiana birds and animals.

Bills of Merrill & Co. and of W. & J. Braden against the Board, were presented and referred to the Committee on Finance.

Digitized by Google

Mr. Carlos Dickson, the Treasurer elect, presented his bond, duly signed and acknowledged, which was accepted and ordered to be filed.

Board adjourned to meet this afternoon at 2 o'clock P. M.

---

AFTERNOON SESSION, 2 o'clock P. M.

The President announced the following as the Standing Committees for the ensuing year, viz.:

*On Finance and Claims*—Caldwell, Crim and Nelson.
*On Rules and Regulations*—Shoemaker, North and Donaldson.
*On Fair Grounds*—Hamrick, Burke and Mutz.
*On Unfinished Business*—Buskirk, Poole and Davidson.
*On Premium List*—Herron, Mitchell and Sutherland.

On motion of Mr. Hamrick, a committee of three were appointed to confer with Mr. Macy, President of the Indianapolis and Peru Railroad, in regard to the purchase or lease of certain grounds for railroad track to connect Peru railroad with Fair Grounds.

The President announced the following as said committee: Messrs. Hamrick, Nelson and Poole.

On motion of Mr. Poole—

*Resolved*, That the President be appointed a committee of one to confer with Judge Perkins in regard to the claim of McCord and Wheatly against the State Board of Agriculture, and that he be authorized to settle said claim in such way as he, in his judgment, may deem best for the interest of the Board.

On motion of Mr. Hamrick, the resolution postponing the election of Superintendent be re-considered, and it was then withdrawn, and on motion—

*Resolved*, That the Board do now proceed to the election of Superintendent for the ensuing year.

Digitized by Google

Whereupon John S. Benson, having received a majority of the votes cast, was declared duly elected Superintendent for the ensuing year.

On motion of George A. Buskirk—

*Resolved*, That the Secretary of the Board proceed to collect the subscription made by the different hotels of the city of Indianapolis to secure the holding of the last State Fair in said city, and, if necessary, to institute suit against said parties.

On motion of Mr. Sutherland—

*Resolved*, That the sum of two hundred dollars be allowed to the Secretary, Fielding Beeler, for extra services rendered.

The committee on claims reported in favor of allowing the following claims, viz.:

| | |
|---|---|
| Merril & Company | $ 1 35 |
| Fielding Beeler | 60 51 |
| W. & J. Braden | 17 75 |
| Total | $79 61 |

And adversely as to the claim of David Kneffler, for the reason that the services rendered by the said Kneffler were strictly in the line of the Secretaries duties. Report received and adopted.

On motion of Mr. Buskirk—

*Resolved*, That the members of the State Board of Agriculture be allowed the sum of five dollars per diem for each day employed in the discharge of their duties, including the time going and returning from the meetings of said Board; also, the sum of seven cents per mile for the distance necessarily traveled in attending the meetings of said Board for the ensuing year.

The claim of John B. Sullivan, late Superintendent, for extra services for the year just closed, was referred to the Committee on Finance.

On motion of Mr. Hamrick—

*Resolved*, That the new members of this Board be allowed for services rendered from the commencement of the meetings of this Board, and mileage for returning home.

Committee on Claims report in favor of allowing John B. Sullivan one hundred dollars for his claim for extra services, which report was adopted.

Digitized by Google

The following amendments to the Constitution of this Society were proposed and adopted by the regular constitutional majority of two-thirds, viz.:

*Resolved*, That Article 10th of the Constitution of the State Board of Agriculture be amended to read as follows, to-wit: That at the annual meeting of said Board, the salaries of the Treasurer, Secretary and Superintendent, shall be fixed for the ensuing year, provided that said Board may, in their discretion, at any meeting of said Board, make said officers an additional allowance for extra services.

The claim of Lyman Martin, for services as Janitor, was referred to the Committee on Claims, who reported in favor of allowing him for services up to the 6th instant: $13 33.

Report received and adopted.

On motion of Mr. Buskirk—

*Resolved*, That the Secretary be allowed the sum of twelve hundred ($1,200) dollars, and such compensation for assistants during the fair as may be fixed by the Board.

*Resolved*, That the Treasurer be allowed the sum of two hundred ($200) dollars, and such compensation for assistants during the annual fair as may be fixed by said Board.

*Resolved*, That the Superintendent shall be allowed the sum of two hundred ($200) dollars and such compensation for extra services as may seem to be right in the opinion of the Board, and for such number of assistants as the Board may direct; that said salaries shall be for the ensuing year and for each year thereafter until changed by said Board.

On motion of Mr. Herron—

*Resolved*, That the Secretary be instructed to have five hundred (500) copies of all the State laws in force concerning Agricultural Societies in this State published in pamphlet form; also, the constitution and by-laws now in force.

Mr. Sutherland introduced an amendment to the by-laws of the Board, which was adopted, and which reads as follows, to-wit:

ARTICLE 8TH. It shall be the duty of the General Superintendent to take care of and carefully keep all property belonging to the Society, have the care and control of the Fair Grounds during the recess, have the supervision and oversight of such improvements or additions as may be directed by the

Digitized by Google

State Board, and under their directions, procure material, contract for labor, and shall be during the continuance of the Fair the Chief Marshal and Head of the Police.

ARTICLE 9TH. The members of the State Board shall employ all the necessary police and gate-keepers.

Mr. Frank Mayhew made a proposition to the Board in regard to whitewashing the fences surrounding the State Fair Grounds, which, on motion of Mr. Sutherland, was laid on the table.

On motion of Mr. Caldwell—

*Resolved*, That the President and Secretary be apppointed a committee for the purpose of inquiring of the State Librarian, or whatever other officer is interested with the funds for keeping the State House in repairs, whether they include the Janitor under the appropriation for that purpose made by the Legislature.

Resolution adopted.

Mr. Hamrick moved a reconsideration of the vote by which the claim of Daniel Kneffler was rejected, which was carried, and, on motion, it was

*Ordered*, That the sum of fifty dollars be allowed in full for all services rendered by said Kneffler.

On motion of Mr. Donaldson—

*Resolved*, That John B. Sullivan be requested to make a memorandum of all the property and effects belonging to the State Board of Agriculture, and hand the same over to John Benson, Superintendent.

On motion the Board adjourned to meet at their rooms on February 23, 1870.

JOSEPH POOLE,
*Secretary.*

Digitized by Google

## FEBRUARY MEETING, 1870.

FEBRUARY 23, 1870.

The Indiana State Board of Agriculture met in their rooms at the State House, at Indianapolis, and was called to order by the President, J. D. Williams.

The roll of members names being called, the following named gentlemen answered to their names, viz.: L. A. Burke, J. D. Williams, J. C. Shoemaker, George A. Buskirk, Benjamin North, Thomas V. Mitchell, Jacob Mutz, W. C. Donaldson, A. D. Hamrick, Alexander Herron, William Crim, Joseph Poole, H. Caldwell, Stephen Davidson, John Sutherland, I. D. G. Nelson.

The minutes of the State Board proper, at the January meeting, were read and adopted.

The following bills were received and referred to the Committee on Finance:

| | |
|---|---|
| Perkins & Jordan | $50 00 |
| John Straub | 2 00 |
| Thomas Theadore | 10 62½ |
| Charles Cox | 5 95 |
| Julius Boetticher | 5 00 |
| Braden & Company | 5 00 |
| W. H. Roll | 6 20 |
| H. Stretcher | 9 00 |
| William J. Braden | 23 85 |
| John R. Moratt | 42 00 |
| Horticulturalist | 2 50 |
| Bowen & Stewart | 3 00 |
| J. Poole | 7 25 |

A letter from Vatter and King was received and referred to the Committee on Premiums.

Digitized by Google

On motion of W. C. Donaldson, the consideration of the Premium List for the year 1870 was taken up, and committees appointed on the same, as follows:

*On Live Stock Department.*—Herron, Caldwell and Mutz.
*On Agricultural.*—Shoemaker, Sutherland and North.
*On Mechanical.*—Hamrick, Crim and Donaldson.
*On Miscellaneous.*—Poole, Burke and Mitchell.

On motion of W. C. Donaldson, two hundred and fifty ($250) dollars was appropriated for premiums on Fine Arts.

George A. Buskirk moved to reconsider the vote appointing J. Poole, Secretary, a committee to compile and report constitution and by-laws.

Motion carried.

On motion of A. D. Hamrick, the original motion in regard to compilation of laws, was laid on the table.

On motion of Mr. Sutherland, sections 5, 6 and 7, in Horticultural Department, were referred to the State Horticultural Society, and eight hundred ($800) dollars appropriated for premiums for the fair of 1870.

The following resolution was offered by G. A. Buskirk, and adopted:

*Resolved*, That a committee of three be appointed by the President to revise the constitution and by-laws of the State Board of Agriculture, and report the same at the next delegate meeting of said Board; also, that said committee propose a bill for the action of the next General Assembly, revising all the statutary laws regulating said Board, that are now in force.

The committee appointed by said Board, on said resolution, were Buskirk, Poole and Shoemaker.

The following resolution was offered by Mr. Buskirk—

*Resolved*, That at the earliest practical moment, that the President of this Board and the Superintendent of the same, make a formal demand of the former Superintendent, John B. Sullivan, for possession of the Fair Grounds, and that he, said Sullivan, turn over to the present Superintendent all property belonging to said Board, and upon the failure of the said Sullivan to so do, that Mr. Benson take possession of said grounds, and that with the assistance of such members of said Board as he may require, make out a schedule

Digitized by Google

of all property known to be in the possession of said Sullivan, and that said President and Superintendent report their proceedings herein at this session of said Board.

Which resolution was adopted.

On motion of A. D. Hamrick the Board adjourned to meet at 9 o'clock on Thursday, February 24, 1870.

---

THURSDAY MORNING, February 24, 1870.

Indiana State Board of Agriculture met pursuant to adjournment, Hon. J. D. Williams, President, in the Chair.

The roll of members being called, the following gentlemen answered to their names, viz.: L. A. Burke, J. D. Williams, J. C. Shoemaker, George A. Buskirk, Benjamin North, Thos. V. Mitchell, Jacob Mutz, W. C. Donaldson, A. D. Hamrick, Alexander Herron, William Crim, Joseph Poole, H. Caldwell, Stephen Davidson, John Sutherland, I. D. G. Nelson.

The minutes of last meeting were read and adopted.

The Committee on Finance made the following report on the bills named—report favorable, and recommend payment; said report received, concurred in, and bills ordered to be paid.

On motion, the ordinary business of the Board was suspended to hear a statement from Mr. Hubbard in regard to the relief fund appropriated for the benefit of the sufferers from the late explosion at the State Fair, in the fall of 1869.

After considerable discussion by Messrs. Hamrick, Buskirk, Colonel Black, Mr. Hubbard, Burke, Sutherland, and others, the following resolution was offered by A. D. Hamrick:

*Resolved*, That the Secretary be directed to draw the proper warrant for the moneys appropriated by the Board to the sufferers—caused by the explosion at the Indiana State Fair, and the Treasurer be directed to pay the amounts appropriated to Thomas H. Sharp, Treasurer of the Benevolent Relief Association, and take the proper receipts therefor.

Digitized by Google

The following amendment was offered by Mr. Buskirk:

*Provided*, That each of said sufferers, or their legal representatives sign a release of all right of action against said Board for damages occasioned by said accident.

Amendment lost; resolution adopted.

A bill was received from Messrs. Douglass & Conner for printing and stationery, for the amount of sixty-seven dollars and forty-five cents.

Said bill was referred to the Committee on Claims.

Mr. Nelson offered the following resolution which was unanimously adopted:

*Resolved*, That the Secretary of this Board be authorized to insure the buildings upon the Fair Grounds for such sums as insurances are usually taken upon the fair valuation, and upon as favorable rates as he can obtain in some responsible company.

On motion of Mr. Burke—

*Resolved*, That the Indiana State Board of Agriculture furnish wood to Dr. Neal on their Fair Ground at the State Fair this fall, to be used in the manufacture of sorghum, and the making of syrup or sugar from the same,

Which, after considerable discussion, was withdrawn.

On motion of Mr. Buskirk, the communication of King & Vater, in regard to sorghum, was laid on the table.

The various committees on Premium List for the award of Premiums at the next State Fair, made their reports, which, after various amendments, made during the present meeting of the Board, with the following instructions to judges, were adopted and ordered to be published, to-wit:

Digitized by Google

# INSTRUCTIONS TO JUDGES.

1. When a majority of the judges on any section are present, they shall constitute a quorum and be authorized to award premiums; and the first on the list of those present shall be Chairman. The judges, if not satisfied as to the regularity of the entry, will apply to the Secretary for information.

2. *A premium will not be awarded when the article is not worthy, though there be no competition.*

3. The judges on animals will have regard to symmetry, early maturity, size and general characteristics of the breed which they judge. They will make proper allowance for age, feeding, etc., *but will not give encouragement to over-fed animals in breeding classes.*

4. No premiums will be awarded to barren females shown in breeding classes, and proof of breeding qualities must be exhibited to the committee. Breeding cows must have produced a living calf within the two years last past.

5. The judges on fat cattle will require all cattle in this class to be weighed; ascertain their superfices and report the same; require of competitors a full statement in writing as to the manner and cost of feeding, before awarding any premium.

Digitized by Google

6. The standard authority in all cases of pedigree of cattle shall be the English and American Herd-Book, and for horses, the English and American Stud-Book and American Turf Register.

7. The judges shall give the *reasons for their decisions*, embracing the valuable and desirable qualities of the animals or articles to which premiums are awarded: *in fruits to give lists of collections to which they award premiums.* And, as one great object of the Agricultural Board is to collect valuable information upon subjects connected with agriculture, the several awarding committees shall gather all the information possible from exhibitors, in their respective departments, and make their reports as full as circumstances will permit.

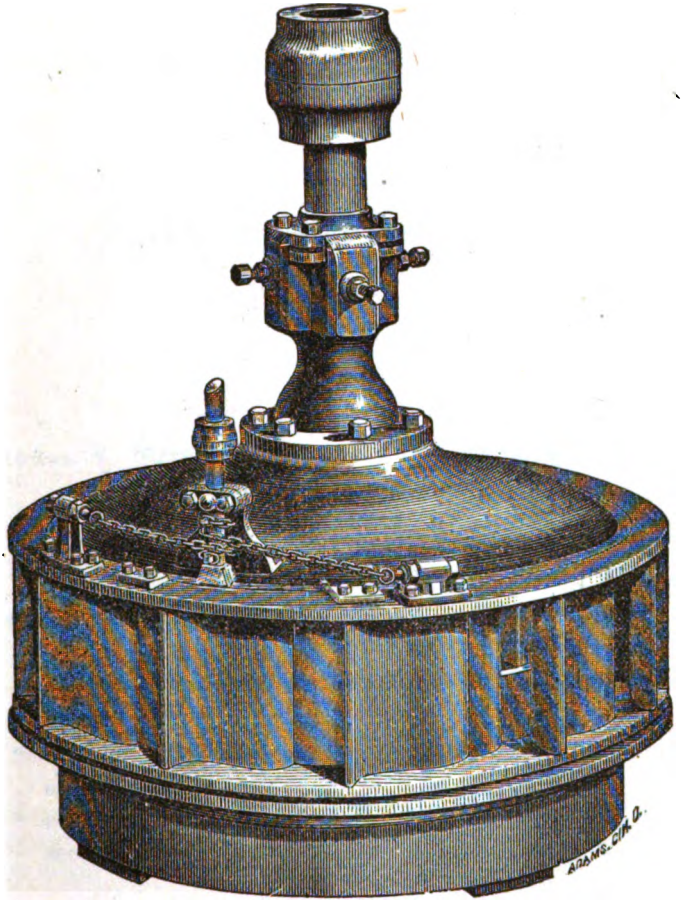
8. Each committee will make its report of awards to the Secretary or the Superintendents of the department, after they have completed the report.

9. The decisions of the several committees will be final and irrevocable in regard to the premiums awarded, except upon positive proof of fraud, collusion or gross and palpable mistake on the part of the judges.

10. *Any improper interference with the duties of the Awarding Committees, will be promptly reported to the business office, and awards be withheld for this reason; but when called upon by the proper committees, they are requested to give all information in their possession to facilitate the labors of the committee.*

☞ It is especially desirable that every exhibitor determine fully in what class and section he desires to compete, before making *application* for entries.

Digitized by Google



***THE ECLIPSE***

**DOUBLE TURBINE WATER WHEEL.**

**J. O. JOYCE'S PATENT.**

**Manufactured and exhibited by the STILWELL & BIERCE MFG. CO., Dayton, Ohio.**

Digitized by Google

Digitized by Google

# LIST OF PREMIUMS.

## LIVE STOCK DEPARTMENT.

## HORSES.

THOMAS V. MITCHELL, - - - ATTENDING MEMBER.

### SECTION I.

#### HORSES—THOROUGH-BRED.

| | |
|---|---|
| Best stallion 4 years old and over | $50 |
| second best | 25 |
| " stallion 3 years old and over | 40 |
| second best | 20 |
| " stallion 2 years old and under 3 | 20 |
| second best | 10 |
| " brood mare | 30 |
| second best | 15 |

### SECTION II.

#### HORSES FOR GENERAL PURPOSES.

| | |
|---|---|
| Best stallion 4 years old and over | $50 |
| second best | 25 |
| " best stallion 3 years old and under 4 | 40 |
| second best | 20 |
| " stallion 2 years old and under 3 | 20 |
| second best | 10 |

Digitized by Google

| | |
|---|---|
| Best stallion 1 year old and under 2 | $10 |
| second best | 5 |
| " stallion sucking colt | 8 |
| second best | 4 |
| " mare 4 years old and over | 30 |
| second best | 15 |
| " mare 3 years old and under 4 | 20 |
| second best | 10 |
| " mare 2 years old and under 3 | 10 |
| second best | 5 |
| " mare 1 year old and under 2 | 10 |
| second best | 5 |
| " sucking filly | 8 |
| second best | 4 |
| " gelding 4 years old or over | 30 |
| second best | 10 |
| " gelding 3 years old and under 4 | 20 |
| second best | 10 |

SECTION III.

ROADSTERS AND LIGHT HARNESS HORSES.

| | |
|---|---|
| Best stallion 4 years old and over | $50 |
| second best | 25 |
| " stallion 3 years old and under 4 | 40 |
| second best | 20 |
| " stallion 2 years old and under 3 | 20 |
| second best | 10 |
| " mare 4 years old and over | 20 |
| second best | 10 |
| " mare 3 years old and under 4 | 20 |
| second best | 10 |
| " mare 2 years old and under 3 | 10 |
| second best | 5 |
| " gelding 4 years old and over | 20 |
| second best | 10 |
| " gelding 3 years old and under 4 | 20 |
| second best | 10 |

Digitized by Google

SECTION IV.

HEAVY DRAFT HORSES.

| | |
|---|---|
| Best stallion 4 years old and over | $50 |
| second best | 25 |
| " stallion 3 years old and under 4 | 40 |
| second best | 20 |
| " mare 4 years old and over | 30 |
| second best | 15 |
| " mare 3 years old and under 4 | 20 |
| second best | 10 |
| " gelding 4 years old and over | 10 |
| second best | 5 |

SECTION V.

TROTTING AND PACING HORSES.

NOTE.—Awards in this class will be made with reference to form, size, style, speed, action and endurance.

| | |
|---|---|
| Best trotting stallion | $100 |
| second best | 50 |
| " trotting gelding or mare | 100 |
| second best | 50 |
| " pacing stallion | 100 |
| second best | 50 |
| " pacing gelding or mare | 100 |
| second best | 50 |
| " racking horse, mare or gelding | 40 |
| second best | 20 |
| " trotting double team | 50 |
| second best | 25 |

RULE.—To be exhibited on the track, one at a time, and when called by the Superintendent. Best two in three.

SECTION VI.

MATCHES OR SINGLE HORSES FOR GENERAL PURPOSES.

| | |
|---|---|
| Best pair matches geldings or mares | $50 |
| second best | 25 |



Digitized by Google

ROADSTERS.

| | |
|---|---|
| Best pair matches, geldings or mares | $40 |
| second best | 20 |

Award on matches will be made with reference to color, size and action.

HEAVY DRAFT.

| | |
|---|---|
| Best heavy draft team | 40 |
| second best | 20 |

SADDLE HORSES.

To be exhibited on time-track under the saddle.

| | |
|---|---|
| Best gelding, any age | $20 |
| second best | 10 |
| " mare, any age | 20 |
| second best | 10 |

SECTION VII.

SWEEPSTAKES ON HORSES.

| | |
|---|---|
| Best stallion of any age or class | $75 |
| " mare of any age or class | 50 |
| Stallion showing five best colts under one year old | 100 |
| Best trotting horse, mare or gelding (two best in three) | 300 |
| " pair trotting mares or geldings | 100 |

SECTION VIII.

JACKS, JENNETS AND MULES.

| | |
|---|---|
| Best jack 3 years old and over | $40 |
| second best | 20 |
| " jack 2 years old and under 3 | 30 |
| second best | 15 |
| " jack 1 year old and under 2 | 20 |
| second best | 10 |
| " jack colt | 10 |
| second best | 5 |
| " jennet 3 years old and over | 15 |
| second best | 5 |
| " jennet 2 years old and under 3 | 10 |
| second best | 5 |

Digitized by Google

| | |
|---|---|
| Best mule 3 years old and over | $20 |
| second best | 10 |
| " mule 2 years old and under 3 | 20 |
| second best | 10 |
| " mule 1 year old and under 2 | 10 |
| second best | 5 |
| " mule colt | 8 |
| second best | 4 |
| " pair mules 3 years old and over | 30 |
| second best | 15 |

SECTION IX.

SWEEPSTAKES ON JACKS AND JENNETS.

| | |
|---|---|
| Best jack, any age.....silver medal and | $30 |
| " jennet, any age.....silver medal and | 20 |
| " jack showing five best colts under one year old silver medal and | 30 |

## CATTLE.

HEZEKIAH CALDWELL, - - - ATTENDING MEMBER.

SECTION X.

BREEDING CATTLE.

| | |
|---|---|
| Best bull 4 years old and over | $75 |
| second best | 35 |
| " bull 3 years old and under 4 | 50 |
| second best | 25 |
| " bull 2 years old and under 3 | 30 |
| second best | 15 |
| " bull calf | 10 |
| second best | 5 |
| " cow 4 years old and over | 30 |
| second best | 15 |

Digitized by Google

| | |
|---|---|
| Best cow 3 years old and under 4 | $20 |
| second best | 10 |
| " cow 2 years old and under 3 | 20 |
| second best | 10 |
| " heifer 1 year old and under 2 | 10 |
| second best | 5 |
| " heifer calf | 10 |
| second best | 5 |
| " Devon bull | silver medal and 20 |
| " Devon cow | silver medal and 20 |
| " Ayrshire bull | silver medal and 20 |
| " Ayrshire cow | silver medal and 20 |
| " Alderney bull | silver medal and 20 |
| " Alderney cow | silver medal and 20 |

SECTION XI.

OXEN AND STEERS.

| | |
|---|---|
| Best pair oxen 4 years old and over | $20 |
| second best | 10 |
| " steer 3 years old and over | 10 |
| second best | 5 |
| " steer 2 years old and under 3 | 10 |
| second best | 5 |
| " steer 1 year old and under 2 | 10 |
| second best | 5 |

SECTION XII.

FAT CATTLE, SHEEP AND HOGS.

| | |
|---|---|
| Best five fat steers 4 years old and over | $50 |
| " five fat steers 3 years old and under 4, fatted on grass. | 40 |
| " five fat hogs | 20 |
| " five fat sheep | 15 |
| " fat steer | 20 |
| second best | 10 |
| " fat cow | 20 |
| second best | 10 |
| " fat sheep | 5 |
| second best | 3 |

Digitized by Google

Best fat hog..... $10
second best..... 5

SECTION XIII.

SWEEPSTAKE ON CATTLE.

Best bull, any age..... $75
" cow, any age..... 50

## HOGS.

L. A. BURKE, - - - - ATTENDING MEMBER.

SECTION XIV.

HOGS.

Best boar 2 years old and over..... $30
second best..... 15
" boar 1 year old and under 2..... 25
second best..... 10
" boar under 12 and over 6 months old..... 20
second best..... 10
" sow 2 years old and over..... 20
second best..... 10
" sow 1 year old and under 2..... 20
second best..... 10
" sow under 12 and over 6 months old..... 10
second best..... 5
" five shoats under 6 months old..... 20
second best..... 10
" sow and not less than five sucking pigs..... 25
second best..... 10

SECTION XV.

SWEEPSTAKES ON HOGS.

Best boar, any age..... $50
" sow, any age..... 50
" boar and five pigs under six months old..... 50

Digitized by Google

# SHEEP.

RULE.—All sheep exhibited must be led into the ring for examination by the awarding committee. And all sheep of sufficient age to have been shorn the past season, must have been closely clipped; or, if the judges are satisfied that they have not been, they shall make allowance for the same, and report the same to the Board.

## SECTION XVI.

### SHEEP.

*Fine wool sheep* to include Spanish and French Merinos, Saxons and their crosses.

| | |
|---|---|
| Best buck 2 years old and over | $20 |
| second best | 10 |
| " buck 1 year old and under 2 | 10 |
| second best | 5 |
| " buck lamb | 5 |
| " ewe 2 years old and over | 10 |
| second best | 5 |
| " ewe 1 year old and under 2 | 10 |
| second best | 5 |
| " ewe lamb | 5 |

## SECTION XVII.

### LONG WOOL SHEEP.

*Cotswolds*

| | |
|---|---|
| Best buck 2 years old and over | $20 |
| second best | 10 |
| " buck under 2 years old | 10 |
| second best | 5 |
| " buck lamb | 5 |
| " ewe 2 years old and over | 10 |
| second best | 5 |
| " ewe 1 year old and under 2 | 10 |
| second best | 5 |
| " ewe lamb | 5 |

Digitized by Google

SECTION XVIII.

LONG WOOL SHEEP.

*Leicesters.*

| | |
|---|---|
| Best buck 2 years old and over | $20 |
| second best | 10 |
| " buck 1 year old and under 2 | 10 |
| second best | 5 |
| " buck lamb | 5 |
| " ewe 2 years old and over | 10 |
| second best | 5 |
| " ewe 1 year old and under 2 | 10 |
| second best | 5 |
| " ewe lamb | 5 |

SECTION XIX.

*Southdowns.*

| | |
|---|---|
| Best buck 2 years old and over | $20 |
| second best | 10 |
| " buck 1 year old and nnder 2 | 10 |
| second best | 5 |
| " buck lamb | 5 |
| " ewe 2 years old and over | 10 |
| second best | 5 |
| " ewe 1 year old and under 2 | 10 |
| second best | 5 |
| " ewe lamb | 5 |

SECTION XX.

FINE-WOOL, THOROUGH-BRED AMERICAN MERINOS.

| | |
|---|---|
| Best buck 2 years old and over | $20 |
| second best | 10 |
| " buck 1 year old and under 2 | 20 |
| second best | 10 |
| " buck lamb | 10 |
| second best | 5 |
| " ewe 2 years old and over | 15 |
| second best | 8 |

Digitized by Google

| | |
|---|---|
| Best ewe 1 year old and under 2 | $10 |
| second best | 5 |
| " buck showing five best lambs | 30 |
| second best | 15 |

RULE.—Animals not owned by residents of this State at least sixty days before the commencement of the fair, can not compete in this section.

### SECTION XXI.

### SWEEPSTAKES ON FINE WOOL AND OTHER SHEEP.

*Fine wool* to include Spanish and French Merinos, Saxons and their crosses.

| | |
|---|---|
| Best buck having five best lambs | $30 |
| " ewe, any age | 15 |
| *Cotswolds* | |
| Best buck having five best lambs | 30 |
| " ewe, any age | 15 |
| *Leicesters.* | |
| " buck having five best lambs | 30 |
| " ewe, any age | 15 |
| *Southdowns.* | |
| " buck having five best lambs | 30 |
| " ewe, any age | 15 |

## POULTRY.

### SECTION XXII.

| | |
|---|---|
| Best pair black Spanish | $5 |
| " pair Bramahs | 5 |
| " pair Polands | 5 |
| " pair Dorkings | 5 |
| " pair black African Bantams | 5 |
| " pair silver Bantams | 5 |
| " pair chickens, any kind | 5 |
| " pair tame geese | 5 |
| " pair wild geese | 5 |
| " pair turkeys | 5 |

Digitized by Google

Best pair common ducks..... $5
" pair pair Muscovey ducks..... 5
" pair pea fowls..... 5
" pair Guinea fowls..... 5
" pair game fowls..... 5
" collection of poultry, all kinds..... 5

---

## MECHANICAL DEPARTMENT.

---

WILLIAM CRIM,
BENJAMIN NORTH, } - - - - ATTENDING MEMBERS.

---

### MACHINERY FOR WHICH NO PREMIUMS ARE OFFERED.

The State Board of Agriculture has decided to offer no premiums for saw mills, reapers, mowers, threshers, separators, drag saws, and sewing machines, for the reason that it is not practicable to have such thorough tests and examination of their merits as will be just to the exhibitor. They will, however, provide every necessary facility for their display, and propose, as an inducement to manufacturers and dealers in these articles, to appoint an examining committee, composed of members of the Board, who will give each article of this kind such consideration as will enable them to report their respective merits for publication in the annual reports, except sewing machines made in Indiana.

Best sewing machine made in Indiana..... $20

### SECTION I.

### PLOWS.

Best plow for general purposes..... $25
" three-horse plow, with best arrangement for attaching three horses..... 15
" plow for alluvial or muck soil..... 15
" sod plow..... 15
" road plow..... 5

Digitized by Google

| | |
|---|---|
| Best plow for breaking marches | $15 |
| " hill-side plow | 5 |
| " gang plow ... bronze medal | — |
| " display and greatest variety of plows, silver medal and | 20 |
| " stubble plow | 10 |
| " steel plow | 10 |
| " cast-iron plow | 10 |
| " double plow | 10 |
| " sub-soil plow | 10 |
| " dynamometer | 3 |
| " steam plow, to be tested to the satisfaction of the committee, and its utility fully demonstrated | 50 |

PLOWING MATCH.

The plows to be tested by an actual trial with a dynamometer, the Board finding ground in which to make the trial, under the following

RULES.

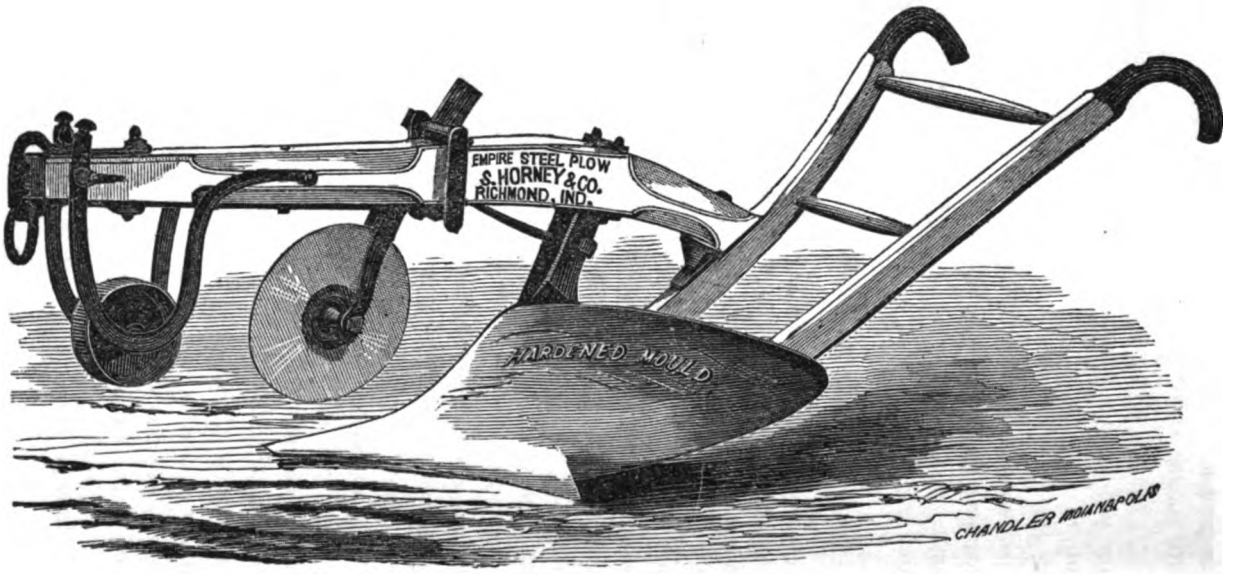
1. The plows to be held by the competitors, or persons appointed by them.
2. Each plow shall open and plow four rounds, back furrowing; the last furrow to be not less than seven inches deep and thirteen wide.
3. In testing the draft, the same plowman shall hold the plow who did the trial plowing, the third and fourth rounds to be the test, which shall be of the size above indicated. Not more than two plows for the same purpose shall be used in the trial.

The following points will be considered by the committee in determining the merits of the plows:

1. Gross draught.
2. Weight of plows.
3. Loss of power in overcoming friction.
4. Net power required to cut and turn furrow slice.
5. Width of furrow slice.
6. Depth of furrow slice.
7. Comparative draught.
8. Simplicity of structure, materials, workmanship, durability and price.

Plowing to take place Wednesday forenoon, according to programme.
Each plowman will find his own team.
Plowing will be done by two horses, the plowman to drive.

Digitized by Google




# STEEL PLOW.

**Manufactured by S. HORNEY & CO., Richmond, Indiana. Exhibited by J. GEO. STILZ, Indianapolis.**

Digitized by Google

Digitized by Google

SECTION II.

IMPLEMENTS FOR PLANTING AND CULTIVATION OF CROPS.

| | | |
|---|---|---|
| Best two-horse corn plow | | $5 |
| " one-horse corn plow | | 5 |
| " double shovel plow | | 5 |
| " single shovel plow | | 2 |
| " cultivator | | 5 |
| " cultivator and seed sower combined, | bronze medal. | — |
| " wheat drill | diploma and | 10 |
| " one-horse wheat drill | diploma and | 5 |
| " field roller | | 5 |
| " two-horse harrow | | 5 |
| " two-horse corn planter | silver medal | — |
| " potato plow | diploma | — |
| " one-horse corn planter | silver medal | — |
| " corn drill | diploma | — |
| " hand garden cultivator | diploma | — |
| " and most valuable invention for cultivating the soil | bronze medal | — |
| " display and greatest variety of agricultural and farm implements | silver medal and | 20 |

SECTION III.

FARM MACHINERY.

| | | |
|---|---|---|
| Best horse hay rake | bronze medal | $— |
| " pitcher and stacker | bronze medal | — |
| " horse hay pitch fork | bronze medal | — |
| " clover seed gatherer | silver medal | — |
| " flax and hemp brake | | 5 |
| " fanning mill | | 5 |
| " farm implement (hand machine for cleaning wheat | diploma and | 10 |
| " grain screen | | 4 |
| " corn husker | | 1 |
| " corn sheller | | 5 |

Digitized by Google

Best grass seed sower..... $3
" hay rake and loader combined.....bronze medal —
" power corn sheller and seperator..... 5
" horse power potato digger.....diploma —
" hand potato digger..... ..... 2
" set triple trees.....bronze medal —
" eight horse power.....bronze medal —
" two horse power.....bronze medal —
" endless chain power.....bronze medal —
" hay press.....diploma and 10

SECTION IV.

MILLS, PRESSES, ETC.

Best portable grist mill.....silver medal $—
" hominy mill..... 5
" corn grinding mill..... 5
" sorghum mill for general use.....bronze medal —
" self-regulating wind mill for pumping water.....
.....diploma and 10
" smut machine.....bronze medal —
" flour bolt..... 5
" flour packer..... 5
" cider mill..... 5
" grain or meal dryer.....diploma and 5
" grist mill alarm.....diploma —
" plantation mill.....diploma —

SECTION V.

DOMESTIC IMPLEMENTS.

Best churn..... $5
" cheese press..... 5
" spining wheel.....diploma —
" clothes wringer..... 3
" apple parer..... 1
" wash board..... 1
" rat trap..... 3

Digitized by Google

Best hand loom.....silver medal $—
" broom head..... 1
" step ladder..... 1
" baby wagon..... 1
" clothes rack..... 1
" washing machine..... 3
" mop head..... 1
" swing..... 5
" power loom.....silver medal —

SECTION VI.

ENGINES, BRICK, TILE AND DITCHING MACHINES.

Best stationary engine, not less than twenty-horse power, sufficient to run the machinery at the fair, silver medal and..... $50
" steam fire-engine, to be tested on the ground..... silver medal —
" rotary blower.....diploma —
" drain tile machine.....bronze medal —
" ditching machine.....bronze medal —
" artesian well boring machinery.....diploma —
" brick machine.....silver medal —
" excavator.....bronze medal —
" water wheel.....diploma —

(The ditching machine and brick machine are to be in operation under the direction of committees.)

" best tubular boiler.....bronze medal —
" head block for saw mills.....bronze medal —
" lime extractor and water heater.....bronze medal —

SECTION VII.

WOOD WORKING MACHINERY.

Best stave machine.....bronze medal —
" shingle machine.....bronze medal —
" pump or log boring machine..... 5
" hub boring machine.....diploma —

Digitized by Google

Best hub turning machine.....bronze medal $—
" lath machine.....bronze medal —
" scroll drawing machine.....diploma —
" wood bending machine..... 5
" lumber drying apparatus.....diploma —
" machine for turning logs or log carriages...diploma —
" boring and morticing machine.....diploma —
" circular saw and frame for general use.....diploma —
" tenoning machine.....bronze medal —
" sash machine.....bronze medal —
" broom making machine.....diploma and 5
" planing machine.....silver medal —
" moulding machine .....silver medal —
" saw dust blower.....diploma —

SECTION VIII.

COMMON FARM IMPLEMENTS.

" garden engine.....diploma —
" wooden pump..... 5
" pump, any kind, for common use..... 5
" tube well, to be operated during the fair.....
diploma and 5
" ox yoke..... 1
" hand water elevator.....diploma —
" bee-hive.....diploma —
" farm gate..... 5
" bob sled..... 5
" machine for loading logs..... bronze medal —
" power cutting box.....diploma —
" stump puller.....diploma —
" hand truck.....diploma —
" wheelbarrow..... 2
" wagon jack..... 1
" road scraper..... 2
" hand cutting box.....diploma —
" half dozen ax helves..... 1
" half dozen ox bows..... 1

Digitized by Google

Best hedge trimmer..... $2
" implement for shearing sheep..... 3

SECTION IX.

WOOLEN AND WILLOW WARE, ETC.

Best lot of grain measures..... $2
" lot baskets..... 2
" dozen wooden pails..... 2
" nest wash tubs..... 2
" nest wooden keelers..... 2
" half dozen corn brooms..... 2
" assortment brushes.....diploma —
" lot boot and shoe lasts.....diploma —
" specimen basket willow..... 2
" display coopers' ware..... 3
" collection wooden ware..... diploma —
For best collection of forks, rakes, grain cradles, scythes, grindstone and hangings, manure forks, sneaths, shovels, spades, scoops, hoes, augurs, mill picks, garden tools, ax helves and implements for pruning, manufactured in Indiana.....bronze medal —
Best panel door..... 5
" pair inside window blinds..... 5
" pair outside window blinds..... 5
" collection worked house material, including doors, sash, blinds, brackets, mouldings, etc.....
bronze medal and 10

SECTION X.

EDGE TOOLS, WORKED METAL AND HARDWARE.

Best collection of edge tools, including coopers' tools, manufactured in Indiana.....silver medal $—
" assortment of cutlery made in Indiana.bronze medal —
" collection of fire arms made in Indiana....diploma —
" collection of saws.....silver medal —
" cross-cut saw.....diploma —

Digitized by Google

| | |
|---|---|
| Best smoothing irons | $ 1 |
| " collection of locks made in Indiana | diploma — |
| " specimens of meat cutter, knife sharpener, chains, hinges, gate and shutter fastenings, etc. | diploma — |
| " cooking stove | 10 |
| " parlor stove | 5 |
| " cooking stove for coal | diploma — |
| " collection stoves, tin and sheet-iron ware | diploma and 10 |
| " specimen brass and copper-ware | diploma — |
| " cast iron fire place and grate | diploma — |
| " iron verandah | diploma — |
| " iron railing | diploma — |
| " case of files | 2 |
| " case faucets and steam fittings | bronze medal — |
| " wrench, any kind | 2 |
| " sash supporter and fastener | 1 |
| " collection Japaned hardware | diploma — |
| " ax | 1 |
| " mattock | 1 |
| " pair horse shoes | 1 |
| " blacksmith punch and shears | diploma — |
| " gate latch or fastening | diploma — |
| " belt coupling | 2 |
| " collection bird cages | diploma — |
| " iron prison | silver medal — |
| " house furnace | silver medal — |
| " collection reaper and mower knives | silvermedal — |
| " collection coppersmiths' ware | silver medal — |
| " specimen blacksmithing | 5 |
| " tuyere iron | 5 |
| " display plumbers' work | diploma — |

SECTION XI.

EVAPORATORS, SCALES, BELLS, ETC.

| | |
|---|---|
| Best evaporator and necessary apparatus for making syrup and sugar | silver medal — |

Digitized by Google

Best collection counter and portable platform scales..... diploma $—
" cattle or hay scales.....diploma —
" collection of church and other bells..... 5
" arrangement for hanging same.....diploma —
" fruit drying apparatus.....bronze medal —
" clothes dryer and iron heater combined..... 5
" room heater.....diploma —
" fountain and apparatus.....silver medal —
" apparatus for cooking food for stock.....diploma —
" refrigerator.....bronze medal —
" ventilator.....bronze medal —
" burglar and fire-proof safe.....diploma —
" portable and self-supporting fence.....diploma —

SECTION XII.

LEATHER AND LEATHER MANUFACTURES.

Best collection of harness, sole, upper, kip, calf skin and morocco leather..... $10
" double carriage harness..... 20
" single harness..... 10
" double harness, common use..... 5
" man's saddle..... diploma —
" side saddle..... 2
" boy's saddle..... 2
" riding bridle..... 2
" pair boots..... 2
" collection of boots, shoes, gaiters and slippers made in Indiana..... 10
" trunk..... 5
" valise..... 5
" Gent's traveling bag..... 5
" collection leather belting, made within or without the State.....diploma and 10
" braided rope halter..... 1
" hame fastening..... 1
" horse collar.....diploma —



Digitized by Google

SECTION XIII.

INDIANA MINERALS, BUILDING STONE, ETC.

| | |
|---|---|
| Best specimen lime stone | $10 |
| " specimen marble | 10 |
| " specimen sand stone | 10 |

To each specimen must be attached a statement of the original position and the thickness of stratum; and no premium will be awarded unless the specimen has been taken from a workable and accessable stratum or well.

The specimen receiving the premium to be deposited in the Geological Department, and remain the property of the State.

| | |
|---|---|
| Best specimen worked marble, including tomb-stones, mantles, etc | silver medal |
| " specimen lime | 3 |
| " collection chimney tops | diploma |
| " half dozen pressed brick | 2 |
| " half dozen hand made brick | 3 |
| " half dozen fire brick | 5 |
| " specimen Indiana coal | diploma and 10 |
| " specimen Indiana iron ore | diploma and 10 |
| " assortment earthen ware | 5 |
| " assortment stone ware | 5 |
| " collection terra cotta ware | diploma |
| " roofing and repairing materials | diploma |
| " collection drain tile | 10 |
| " specimen sewerage tile | 10 |
| " composition roofing | bronze medal |
| " specimen hydraulic cement | 2 |
| " specimen Rockingham ware of Indiana manufacture | 2 |
| " collection of glass ware and window glass, made in Indiana | silver medal |

SECTION XIV.

INDIANA IRON AND PAPER.

| | |
|---|---|
| Best specimen pig iron | silver medal |
| " specimen railroad iron | silver medal |
| " specimen steel | silver medal |
| " collection bar iron | silver medal |

Digitized by Google

Best collection of all grades pig iron.....gold medal valued at one hundred dollars $—
" collection nails, assorted sizes.....silver medal —
" collection nuts, bolts, etc.....silver medal —
" specimen wrapping paper, rags and straw..... 3
" specimen wrapping paper, straw..... 3
" specimen printing paper, cotton rags..... 3
" specimen of printing paper, wood or straw..... 3
" specimen writing paper..... 3
" collection of glass ware manufactured in Indiana.. 25

RULE.—All samples of paper two bundles each.

---

# CARRIAGES, WAGONS, FURNITURE, ETC.

JOHN SUTHERLAND, - - - - - ATTENDING MEMBER.

## SECTION XV.

### CARRIAGES, WAGONS, ETC.

Best two-seated carriage ..... $40
" one-seated top buggy ..... 25
" one-seated open buggy..... 15
" two-seated spring wagon..... 15
" sulky ..... 5
" set carriage wheels.....diploma —
" carriage coupling..... 5
" two-horse wagon..... 20
" cart ..... 5
" one-horse sleigh..... 3
" two-horse sleigh..... 5
" street goods wagon..... 5
" collection carriage and wagon material..... 10
" set carriage hubs..... 3
" set wagon hubs..... 3

Digitized by Google

Best collection carriages, buggies, wagons, etc..... $30
" open buggy, finished, to be exhibited without oil, paint or varnish..... 10

SECTION XVI.

FURNITURE, ETC.

Best bureau..... $5
" bedstead..... 5
" wardrobe..... 5
" extension table..... 5
" sofa..... 5
" set chairs..... 5
" book case..... 5
" collection school house furniture.....diploma —
" improved mattress..... .....diploma —
" improved bed bottom.....diploma —
" office chairs..... 3
" center table..... 2
" writing desk..... 3
" set parlor furniture, eight pieees..... 20
" set office furniture, five pieces ..... ..... 10
" metalic casket.....bronze medal —
" wood casket ..... ..... 5
" collection burial cases. .....silver medal —
" collection cabinet-ware, including bureau, wardrobe, table, workstand, bedstead, chairs assorted, etc..... silver medal —

Digitized by Google

**FINKLE & LYON SEWING MACHINE.**

JOHN C. HOSS, General Agent, Indianapolis.

**HOWE SEWING MACHINE.**

Exhibited by OLIN & FOLTZ, General Agents, Indianapolis.

**WEED SEWING MACHINE.**

Exhibited by JAMES SKARDON & SONS, Indianapolis.

Digitized by Google

Digitized by Google

# MUSICAL AND SCIENTIFIC INSTRUMENTS, WEARING APPAREL, ETC.

## SECTION XVII.

### MUSICAL INSTRUMETNS, ETC.

☞ Instruments to be operated during the fair, and exhibited in Music Hall.

| | | |
|---|---|---|
| Best grand piano | silver medal and | $10 |
| " upright piano | silver medal and | 10 |
| " square piano | silver medal and | 10 |
| " cottage organ, without pedal | bronze medal | — |
| " church organ, with pedal | silver medal | — |
| " portable melodeon | bronze medal | — |
| " piano case melodeon | bronze medal | — |
| " violin | diploma | — |
| " guitar | diploma | — |
| " collection small musical instruments | silver medal | — |
| " piano stool | diploma | — |
| " square grand piano, Indiana manufacture | diploma | — |
| " grand piano, Indiana manufacture | diploma | — |
| " square piano, Indiana manufacture | diploma | — |

## SECTION XVIII.

### FURS, WEARING APPAREL, ETC.

| | | |
|---|---|---|
| Best collection furs | diploma and | $5 |
| " collection gloves and mits | | 3 |
| " collection hats and caps | diploma | — |
| " collection men's clothing (dress coat, pants, vests and overcoat) | diploma | — |
| " chart for cutting garments | | 1 |
| " specimen printing | diploma | — |
| " specimen book-binding | diploma | — |
| " case stuffed birds | diploma and | 10 |

Digitized by Google

SECTION XIX.

SCIENTIFIC INSTRUMENTS.

| | | |
|---|---|---|
| Best collection of surveyor's instruments | | $5 |
| " collection philosophical instruments | diploma | — |
| " collection of barometers | | 5 |
| " collection optical glasses and instruments | | 5 |
| " collection thermometers | | 5 |
| " collection spectacles | | 5 |
| " collection surgical instruments | | 5 |
| " collection clocks and other time keepers | | 5 |
| " collection artificial legs and arms | diploma | — |
| " lightning rod | bronze medal | — |
| " coal oil lamp | diploma | — |
| " and most valuable invention for artificial light | silver medal | — |
| " portable gas works in operation | silver medal | — |
| " case silver ware | diploma and | 10 |
| " specimen silver plating | diploma | — |
| " exhibition of dentistry | diploma | — |

SECTION XX.

DOMESTIC MANUFACTURES OF LINEN, WOOLEN OR COTTON FABRICS MADE BY HAND.

| | |
|---|---|
| Best ten yards rag carpet | $5 |
| " ten yards woolen carpet | 10 |
| " double coverlet, woolen | 5 |
| " double coverlet, cotton | 5 |
| " wool knit stocking | 1 |
| " wool socks | 1 |
| " wool knit mittens | 1 |
| " woolen comfort | 2 |
| " pound woolen yarn | 1 |
| " foot mat | 1 |
| " ten yards jeans | 5 |
| " ten yards table linen | 5 |
| " ten yards plain linen | 5 |
| " ten yards linsey | 3 |

Digitized by Google

" flax thread..... 2
" five mill bags ..... 3
" cotton knit socks..... 1
" cotton knit stockings..... 1
" ten yards plain flannel..... 5
" ten yards plaid flannel ..... 5

SECTION XXI.

DOMESTIC MANUFACTURES OF LINEN, WOOLEN AND COTTON FABRICS MADE BY MACHINERY.

To be manufactured by the exhibitors in their manufactories in the year 1870

Best ten yards satinet..... $5
" ten yards fulled cloth..... 5
" ten yards tweed. ..... 5
" ten yards cassimere..... .....silver medal —
" ten yards plaid flannel..... 5
" pound stocking yarn..... 2
" pound carpet yarn..... 2
" pair blankets..... 5
" ten yards plain flannel..... 5
" collection common cotton and woolen fabrics made by machine..... .....silver medal —
" ten yards linen diaper..... 5
" ten yards plain linen..... 5
" ten yards jeans..... 5
" five mill bags .....diploma —
" jeans warp..... 10
" satinet warp..... 10

## AGRICULTURAL DEPARTMENT.

STEPHEN DAVIDSON, - - - - - ATTENDING MEMBER.

SECTION I.

VEGETABLES.

Best six heads cabbage..... $2
" three cauliflowers..... 2

Digitized by Google

| | |
|---|---|
| Best six brocoli | $2 |
| " six vegetables | 2 |
| " six cucumbers | 1 |
| " peck white beans | 2 |
| " two quarts lima beans | 1 |
| " half peck lima beans in pod | 2 |
| " half peck garden peas, dry | 2 |
| " half peck peppers for pickling | 2 |
| " peck tomatoes | 3 |
| " collection tomatoes | 5 |
| " half dozen ears green sweet corn | 2 |
| " half peck dry sweet corn | 2 |
| " three squashes any kind | 2 |
| " three Yankee pumpkins | 2 |
| " three sweet pumpkins | 2 |
| " half dozen nutmeg melons | 2 |
| " collection vegetables by one exhibitor | 15 |
| second best | 7 |
| " three drum-head cabbage | 2 |
| " three flat Dutch cabbage | 5 |
| " three heads of any variety | 5 |
| " three watermelons | 2 |

SECTION II.

ROOT CROPS.

| | |
|---|---|
| Best half bushel turnips | $2 |
| " dozen parsnips | 2 |
| " dozen stocks celery | 2 |
| " dozen radishes | 2 |
| " dozen carrots | 2 |
| " dozen roots salsify | 2 |
| " dozen roots horseradish | 2 |
| " dozen red beets | 2 |
| " half dozen turnip beets | 2 |
| " half dozen sugar beets | 2 |
| " half dozen red onions | 2 |
| " half peck yellow onions | 2 |

Digitized by Google

| | |
|---|---|
| Best half peck white onions | $2 |
| " dozen turnip radishes | 1 |
| " dozen long radishes | 1 |
| " display onions in variety and quality | 5 |

SECTION III.

POTATOES.

| | |
|---|---|
| Best peck pink peach blow | $3 |
| " peck white peach blow | 3 |
| " peck early rose | 3 |
| " peck Prince Albert | 3 |
| " peck early Goodrich | 3 |
| " peck pinkeye | 3 |
| " peck Shaker-russets | 3 |
| " half bushel any variety | 5 |
| " half bushel sweet potatoes | 3 |
| " ten varieties Irish potatoes, one peck of each variety | 10 |

SECTION IV.

GRAIN AND SEEDS.

| | |
|---|---|
| Best display and greatest variety of corn | $20 |
| " early field corn, any variety | 10 |
| " half bushel yellow corn in ear | 10 |
| second best | 5 |
| " half bushel white corn in ear | 10 |
| second best | 5 |
| " half bushel corn, any color | 10 |
| second best | 5 |
| " half bushel hominy corn | 5 |
| " display and greatest variety of wheat, all kinds | 20 |
| " half bushel white wheat | 10 |
| second best | 5 |
| " half bushel red wheat | 10 |
| second best | 5 |
| " half bushel spring wheat | 10 |
| second best | 5 |
| " half bushel rye | 2 |

Digitized by Google

| | |
|---|---|
| Best half bushel oats | $5 |
| " half bushel buckwheat | 5 |
| " half bushel barley | 5 |
| " half bushel flax seed | 5 |
| " half bushel millet seed | 5 |
| " half bushel hemp seed | 5 |
| " half bushel timothy seed | 5 |
| " half bushel orchard grass seed | 5 |
| " half bushel Kentucky blue grass seed | 5 |
| " half bushel English blue grass seed | 5 |
| " half bushel red top grass seed | 5 |
| " half bushel red clover seed | 10 |
| " sample 25 pounds leaf tobacco | 5 |
| " sample 10 pounds broom corn | 5 |

SECTION V.

FIELD CROPS.

Exhibitors in this class must accompany their entries by a statement in writing, embracing the following facts, verified by oath or affirmation

1. Quality of ground on which the grain grew.
2. Quality of soil, whether bottom, upland or prairie; general depth, and on what based—whether gravel, lime or hard, compact clay.
3. Artificial drainage, if any; how made, and the cost.
4. Manures, if any used; kind and quality, when and how applied.
5. Time and manner of planting or sowing; kind of seed; when obtained and how prepared.
6. Time of breaking; depth; and, if sub-soiled, the manner of doing it; mode of tillage.
7. Cost per acre of producing crop, including seed, manure and tillage.
8. The greatest yield per acre; the average of whole crop.
9. The corn to be weighed a week before the fair, seventy pounds to the bushel.

| | |
|---|---|
| Best acre white wheat | $20 |
| " acre red wheat | 20 |
| " acre spring wheat | 15 |
| " acre corn | 20 |
| " half acre potatoes | 10 |
| " one acre timothy | 10 |
| " one acre oats | 10 |

Digitized by Google

EXTRA LARGE PREMIUMS ON BEST FIVE ACRES OF WHEAT AND CORN, TO BE AWARDED AT THE STATE FAIR OF 1870.

| | |
|---|---|
| Best five acres wheat | $200 |
| second best | 150 |
| third best | 100 |
| Best five acres corn | 100 |
| second best | 75 |
| third best | 50 |
| Best acre corn, to be raised by a boy under sixteen years of age | 20 |

Statements must be furnished by competitors and governed by the follow lowing rules:

1. The land shall be one contiguous piece, measured by a surveyor, with chain, who shall make affidavit of the accuracy of the measurement and quantity of the ground.

2. The applicant and one disinterested person shall make affidavit, according to the forms annexed, to the quantity of grain raised on the ground entered for premium, which, together with the sample of grain, must accompany the statement required.

3. The object of the society being to promote profitable cultivation, therefore a detailed certified account of expenses of cultivation must be made. The expenses of labor and manure should be particularly stated, and the kind of manure used.

To — loads manure, at $— per load.....$—
To — days' plowing, at $— per day.....$—
To — days' labor, at $— per day.....$—
To — days' harvesting, at $— per day.....$—
To — days' marketing.....$—

And thus each item of expense, incurred in the cultivation and marketing of the crops, upon which premiums are applied for, must be fully stated, and after giving credit for the product of the field, the balance must show the net profit realized.

4. The kind and condition of the soil; the quantity and kind of seed used. The time and mode of putting it in the ground must be particularly stated; also statement of underdrainage, if any.

The competitor may add such other information and observations on the growth or treatment of the crops as he may deem of interest to the society.

FORMS OF AFFIDAVITS.

———COUNTY, ss:

A. B. being duly sworn, says he is a surveyor; that he surveyed with chain and compass the land upon which C. D. raised a crop of——— the past

Digitized by Google

season; that the land is one contiguous piece, and the quantity is —— acres and no more. A. B., *Surveyor.*

Sworn to before me, this — day of——, 18—

—— ——, *Justice.*

———County, ss:

C. D. being duly sworn, says that he raised a crop of —— the past season upon the land surveyed by A. B., and that the quantity of grain grown thereon was —— bushels, determined by actual weight, at the rate of —— pounds to the bushel; that he was assisted in harvesting and measuring by E. F.; that the statement annexed, subscribed by this deponent, as to the manner of cultivation, expense, etc., is in all respects true, to the best of his knowledge and belief, and that the sample of grain exhibited is a fair average sample of the whole crop. C. D.

Sworn to before me, this — day of ——, 18—

—— ——, *Justice.*

———County, ss:

E. F. being duly sworn, says that he assisted C. D. in harvesting, getting out and measuring his crop of grain referred to in the above affidavits; and that the quantity of grain was —— bushels, and was grown upon said grounds, as stated in the affidavit of C. D.

Sworn to before me, this — day of ———, 18—

—— ——, *Justice.*

All requirements in regard to wheat to apply to corn.

## SECTION VI.

### BUTTER, CHEESE, SUGAR, HONEY, BREAD, ETC.

Articles in this section must be made by the exhibitor. Duplicate statements must be filed in the Secretary's office at the time of the entry, specifying fully the mode of the manufacture of butter, cheese, sugar, bread, cakes, etc. The judges must test the articles in different ways, and make a full report of the result of their survey.

| | |
|---|---|
| Best five pounds of butter made in June | $10 |
| second best | 5 |
| " five pounds butter made in September | 10 |
| second best | 5 |
| " cheese, ten pounds or over | 10 |
| second best | 5 |
| " five pounds maple sugar | 2 |
| " half gallon maple molasses | 2 |
| " five pounds honey, in comb | 2 |

Digitized by Google

| | |
|---|---|
| Best loaf wheat bread, milk or salt rising, home-made... | $3 |
| second best..... | 2 |
| " loaf wheat bread, yeast rising, home-made..... | 3 |
| second best..... | 2 |
| " loaf corn bread, home-made ..... | 2 |
| " sample of cake, home-made..... | 2 |
| " collection of cake made by one exhibitor, home-made..... | 10 |
| second best..... | 5 |
| " collection of bread made by one exhibitor, home-made..... | 10 |
| second best..... | 5 |
| " collection of confections..... | 5 |
| " specimen cured ham, and how cured ..... | 5 |
| " specimen cured beef, and how cured..... | 5 |
| " sample catsup ..... | 2 |
| " sample of sorgo, or imphe sugar, not less than ten pounds, and how manufactured..... | 5 |
| " sample sorgo, or imphe molasses, one gallon, and how made..... | 5 |
| " barrel white wheat flour.....diploma and | 5 |
| " barrel red wheat flour.....diploma and | 5 |
| " sack corn meal..... | 3 |
| " sample hominy ..... | 3 |
| " sample gritts..... | 3 |
| " loaf corn pone ..... | 3 |

## SECTION VII.

### ESSAYS.

Essays intended for competition must be handed in on the first day of the fair. All premium essays will be published in the next bound volume of the Agricultural Reports. Essays on other subjects are solicited, and, if worthy will be published in the report, and premiums *may* be awarded on the same at the discretion of the State Board.

RULE.—Write upon one side of the paper only. Do not sign your name to the essay, but accompany it with a letter inclosing your name and post-office address.

| | |
|---|---|
| Best essay on feeding, raising and management of cattle. | $25 |
| " essay on feeding, raising and management of horses. | 25 |

Digitized by Google

Best essay on planting and cultivation of corn ..... $25
" essay on restoring exhausted soils, and making them productive ..... 25
" report of *actual experiments* made in any part of the State, in underdraining, describing the character of the soil and the mode of cultivation, depth of drains, what distance apart, the description of the tile, or other materials used and the effect produced upon the condition of the soil, and character and amounts of the products, with a report of actual experiments in subsoil plowing, giving all the facts and effects of the same..... 25

---

## HORTICULTURAL DEPARTMENT.

J. C. SHOEMAKER, - - - ATTENDING MEMBER.

### SECTION VIII.

## FRUIT.

*Amateur's List.*

RULE.—The Awarding Committee will report a list of the varieties in each collection to which they award premiums. All fruits must be grown by the exhibitor, and correctly labeled (four of each variety), accompanied by a list of the same for each entry. No collection can compete for more than one premium. No premium shall be awarded to inferior specimens or collections, it being the object not to encourage the exhibition of inferior sorts, having reference to the excellence and value of varieties only.

Nurserymen will not be allowed to compete in this section.

APPLES.

Best twenty-five varieties of apples..... $15
" twenty varieties of apples..... 10
" twenty varieties of apples..... 8
" six varieties of apples..... 4

Digitized by Google

Best fifteen varieties of winter apples..... $10
" five varieties of fall apples..... 6

PEARS.

Best fifteen varieties of pears in succession..... 15
" ten varieties of autumn pears in succession..... 10
" five varieties of winter pears in succession..... 5

PEACHES.

Best five varieties of peaches..... 5
" three varieties of peaches..... 3
" one variety of peaches..... 2

GRAPES GROWN IN OPEN AIR.

Best five varieties of grapes..... 5
" three varieties of grapes..... 3
" five clusters of grapes, any kind..... 3
" collection of grapes.....diploma and 10
" collection of grapes grown under glass, of not less than five varieties..... 10

QUINCES.

Best show of quinces..... 5

SECTION IX.

*Professional or Nurseryman's List.*

(Requisites the same as Amateur's List.)

APPLES.

Best twenty-five varieties of apples.....diploma and 15
" twenty varieties of apples.....diploma and 10
" twelve varieties of apples.....diploma and 8
" six varieties of apples.....diploma and 4
" fifteen varieties winter apples.....diploma and 10
" five varieties fall apples.....diploma and 5

PEARS.

Best fifteen varieties pears in succession....diploma and 10
" ten varieties of autumn pears.....diploma and 10
" four varieties of winter pears.....diploma and 5

Digitized by Google

PEACHES.

Best display of peaches, not less than five varieties.... $10

NATIVE GRAPES.

Best collection of grapes.....diploma and 10
" five varieties of grapes.....diploma and 5
" three varieties of grapes.....diploma and 3
" one variety of grapes .....diploma and 2

QUINCES.

Best dozen quinces ..... .....diploma and 5

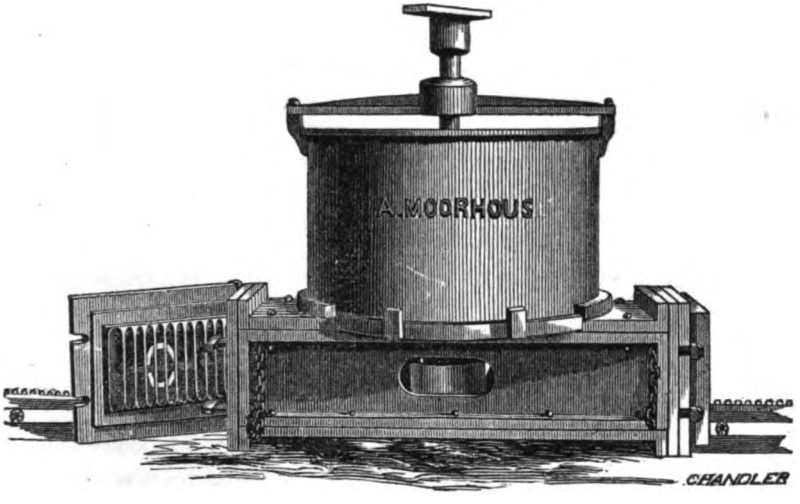
SECTION X.

*The Star* (*) *List.*

This will be a highly interesting feature of the exhibition to all genuine pomologists and those of *educated* taste, as well as to those who wish to become posted in regard to the most profitable fruit to be grown for market, especially the apple, which is destined soon to become one of the staple articles of commerce in Indiana. Persons wishing to compete for these premiums, who are not members of the State Horticultural Society, and who, consequently, have no copy of the transactions to guide them, as well as others wishing to be informed of the pomological status of our State, can obtain a copy and become members of the society by sending one dollar to I. D. G. Nelson, President, at Fort Wayne; Seth W. Pearson, Recording Secretary, at Plainfield; or T. A. Bland, Corresponding Secretary, at Terre Haute.

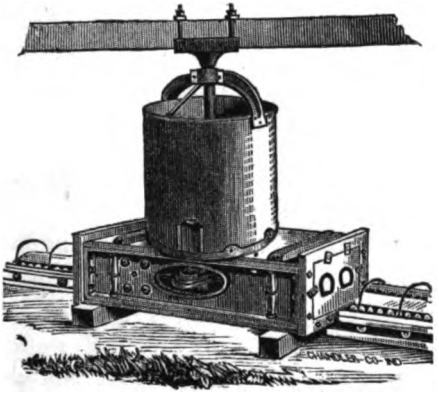
Best five varieties of winter apples, most profitable for commercial purposes in Northern Indiana..... $5
" five fall and ten winter varieties for family use and for market in Northern Indiana..... 15
" five varieties of winter apples most profitable for commercial purposes in Central Indiana..... 5
" five fall and ten winter varieties for family use and for market in Central Indiana..... 15
" five varieties of winter apples most profitable for commercial purposes in Southern Indiana..... 5
" five fall and ten winter varieties for family use and for market in Southern Indiana..... 15
" display of apples for the State at large..... 20
" display of pears for the State at large..... 15
" display of grapes for the State at large... ..... 10

Digitized by Google




# TILE MACHINE.

**Manufactured and exhibited by SINKER & DAVIS, Indianapolis.**



# TILE MACHINE.

**Manufactured and exhibited by CHANDLER & TAYLOR, Indianapolis.**

Digitized by Google

Digitized by Google

Exhibitors in this class will be required to confine their lists to such varieties as have received the commendation of the State Horticultural Society. No fruit can be exhibited for mere show, under the penalty of the exhibitor being ruled out; the object being to test the progress of pomological science in our State, under the auspices of the Indiana State Horticultural Society; therefore the awards will be made purely on the intrinsic merits of the fruit, as defined by and published in the transactions of that society.

SECTION XI.

*Special Premiums.*

| | |
|---|---|
| Best display of fruits of all kinds from any County, District, or Local Horticultural Society | $30 |
| second best | 20 |
| " aquarium and fixtures | 10 |
| second best | 5 |
| " collection nursery stock | 20 |
| second best | 10 |

WINE.

| | |
|---|---|
| Best display of wine made in Indiana | 15 |
| second best | 10 |
| " currant wine | diploma — |
| " strawberry wine | diploma — |
| " raspberry wine | diploma — |
| " blackberry wine | diploma — |

Grape wines competing for premiums must be made from the pure unadulterated juice of the grape, otherwise the committee to make no award.

SECTION XII.

FLOWERS.

*Amateur's List.*

Nurserymen and dealers in green house plants can not compete in this class.

| | |
|---|---|
| Best collection of green house plants, not including plants for bedding out | $15 |
| second best | 10 |
| " collection dahlias | 5 |
| second best | 2 |
| " collection of bedding out plants in bloom, verbenas, petunias, phloxes, etc | 8 |
| second best | 4 |



Digitized by Google

Best basket fresh cut flowers..... $3
second best..... 2
" boquet, round..... 3
second best..... 2
" boquet, flat ..... 3
second best..... 2

*Professional List.*

Exclusively for nurserymen and dealers in green house plants.

Best collection of green house plants, not including plants for bedding out.....diploma and $15
" twenty-five varieties of dahlias.....diploma and 5
" collection of bedding out plants, in bloom.....
diploma and 5
" basket fresh cut flowers..... 3
" basket fresh cut roses..... 3
" boquet, round..... 3
" boquet, flat..... 3
" boquet, mantle..... 3
" collection camelias..... 5
" collection of winter parlor blooming plants.....
diploma and 5
" collection variegated leaved plants..... 5
" arrangement of plants for exhibition, including quality of plants and taste in arranging the same.....
diploma and 15
" fountain and water-jet in operation in floral hall....
diploma and 20

SECTION XIII.

JELLIES, PRESERVES, PICKLES AND CANNED FRUITS.

No article can be entered to compete for more than one premium, except as a part of a "collection" in the same class.

Best collection jellies, made by exhibitor..... $5
second best..... 3
" collection preserves..... 5
second best..... 3
" collection of fruit butter ..... 5
second best..... 3

Digitized by Google

Best collection pickles, made by exhibitor ..... ... $5
second best..... 3
" collection dried fruit ..... ..... 3
" collection canned fruit, made by one exhibitor ..... 10
second best..... ..... 5
" collection of jellies, preserves, butter, pickles and canned fruit, by one exhibitor ..... 15
second best..... 5
" fruit ladder..... 2
" fruit jar.....diploma —
" fruit picker.. .....diploma —

Duplicate statements must be furnished, showing the process followed in the manufacture of the articles in this class.

The judges will test the articles, and make a full written report of the result of their investigation.

## SECTION XIV.

### ESSAYS.

For best essay on lawns and ornamental grounds, including dooryards and surroundings, not to exceed five acres ..... 25
Best essay on vegetable gardens, including preparation of grounds, sowing seed, and general cultivation ..... 25
second best..... ..... 15
" essay on hardy evergreens, flowering shrubs, vines and climbers, including varieties, propagation, cultivation and training ..... 25
second best.... ..... ..... 15
" essay on manufacture of cider and cider vinegar ... 25
second best..... 15

RULE.—Write upon one side of the paper only. Do not sign your name to the Essay, but accompany it with a letter inclosing your name and Post Office address, to Wm. A. Ragan, Chairman of the Executive Committee, Clayton, Indiana, on or before the first day of December next. The Essays should be comprehensive, making the points fully, but not unnecessarily lengthy. The award will be made during the annual meeting of the State Horticultural Society in January.

Digitized by Google

## MISCELLANEOUS DEPARTMENT.

GEORGE A. BUSKIRK, - - - - - ATTENDING MEMBER.

### SECTION I.

EMBROIDERY, WORSTED, ETC.

| | |
|---|---|
| Best specimen cotton embroidery | $3 |
| second best | 2 |
| " specimen ornamental needle work | 3 |
| second best | 2 |
| " child's embroidered dress | 3 |
| second best | 1 |
| " specimen tatting | 3 |
| second best | 2 |
| " fancy chair tidy | 2 |
| second best | 1 |
| " pin cushion | 1 |
| " embroidered table or piano cover | 3 |
| second best | 2 |
| " specimen silk embroidery | 2 |
| second best | 2 |
| " specimen ornamental bead work | 2 |
| second best | 1 |
| " toilet set of mats, worsted or cotton | 2 |
| second best | 1 |
| " and most beautifully wrought under garments | 3 |
| second best | 1 |
| " tucked skirt | 2 |
| second best | 1 |
| " specimen cotton braiding | 2 |
| second best | 1 |

### SECTION II.

TAPESTRY, SHELL WORK, ETC.

| | |
|---|---|
| Best piece tapestry work | $2 |
| second best | 1 |

Digitized by Google

| | |
|---|---|
| Best ottoman cover | $2 |
| second best | 1 |
| " fancy worked chair cover | 2 |
| second best | 1 |
| " sofa cushion | 2 |
| second best | 1 |
| " fancy worsted work | 3 |
| second best | 1 |
| " ornamental hair work | 3 |
| second best | 2 |
| " pair braided slippers | 2 |
| second best | 1 |
| " yoke and sleeve | 3 |
| second best | 2 |
| " fancy work basket | 2 |
| " hoop skirt | 2 |
| " specimen ornamental shell work | 3 |
| second best | 2 |
| " crochet shawl | 3 |
| second best | 2 |
| " crochet opera hood | 2 |
| second best | 1 |
| " carriage afghan | 3 |
| second best | 2 |
| " baby carriage afghan | 2 |
| second best | 1 |
| " neatest darned stocking | 2 |
| second best | 1 |
| " hearth rug | 2 |
| second best | 1 |

## SECTION III.

### MILLINERY, ETC.

| | |
|---|---|
| Best silk bonnet | $5 |
| second best | 3 |
| " velvet bonnet | 5 |
| second best | 3 |

Digitized by Google

| | |
|---|---|
| Best straw bonnet | $3 |
| second best | 2 |
| " calico dress | 3 |
| second best | 2 |
| " silk dress | 5 |
| second best | 3 |
| " satin dress | 5 |
| second best | 3 |
| " woolen dress, any goods | 5 |
| second best | 3 |
| " display of millinery | 10 |
| second best | 5 |
| " collection ladies' furnishing goods | diploma — |
| " child's sack | 2 |
| second best | 1 |
| " child's apron | 1 |
| " lady's head dress | 2 |
| second best | 1 |
| " lady's cap | 2 |
| second best | 1 |
| " shirt | 2 |
| second best | 1 |
| " specimen artificial flowers | 3 |
| second best | 2 |
| " specimen wax flowers | 3 |
| second best | 2 |
| " group artificial flowers | 5 |
| second best | 3 |
| " specimen of feather cloth goods | 5 |
| second best | 2 |
| " lady's hat | 3 |
| second best | 2 |

SECTION IV.

QUILTS, ETC.

| | |
|---|---|
| Best worsted quilt | $6 |
| second best | 3 |

Digitized by Google

| | |
|---|---|
| Best patch work quilt | $6 |
| second best | 3 |
| " white quilt | 6 |
| second best | 3 |
| " silk quilt | 6 |
| second best | 3 |
| " counterpane | 6 |
| second best | 3 |
| " knit quilt | 6 |
| second best | 3 |
| " bed comforter | 6 |
| second best | 3 |

## FINE ART DEPARTMENT.

I. D. G. NELSON, - - - ATTENDING MEMBER.

### SECTION V.

PICTURE FRAMES, ENGRAVINGS, WRITINGS, ETC.

| | |
|---|---|
| Best collection mirrors | $10 |
| " collection steel engravings | 3 |
| " collection plain and ornamental penmanship | 5 |
| " collection card writing | 2 |
| " collection business writing | 2 |
| " collection off-hand writing | 2 |
| " collection shell work, any kind | 5 |
| " agricultural wreath | 5 |
| " ornamental picture frame, any kind | 3 |
| second best | 2 |

Digitized by Google

SECTION VI.

PAINTING, DRAWING, ETC.

*Amateur's List.*

| | |
|---|---|
| Best specimen landscape painting in oil | $5 |
| " fancy painting in oil | 5 |
| " portrait painting in oil | 5 |
| " animal painting | 5 |
| " fruit painting | 5 |
| " flower painting | 5 |
| " crayon drawing | 5 |
| " pencil drawing | 5 |
| " pen drawing | 5 |
| " letter painting | 5 |
| " architectural drawing | 5 |
| " velvet painting | 3 |

SECTION VII.

*Professional List.*

| | |
|---|---|
| Best original landscape in oil | 20 |
| " animal painting in oil | 10 |
| " landscape, water colors | 3 |
| " fancy painting in oil | 5 |
| " fruit painting in oil | 5 |
| " flower painting in oil | 6 |
| " fancy painting, pastell or dry colors | 3 |
| " portrait in oil, without aid of photography | silver medal — |
| " sign painting | 5 |
| " photograph portrait in oil | 10 |
| " plain card photograph | 5 |
| " collection plain card photographs | 10 |
| " plain photograph 4-4 or larger | 5 |
| " collection plain 4-4 or larger | 10 |
| " group of 4-4 or larger, not less than three figures | 5 |
| " card photograph in water colors | 5 |
| " 4-4 or larger, in water colors | 10 |
| " 4.4 or larger, in India ink | 10 |

Digitized by Google

| | |
|---|---|
| Best 11 by 14 photograph view | $10 |
| " pen drawing | 5 |
| " collection pen drawings | 5 |
| " architectural drawing, elevation and ground plan of frame house, the cost not to exceed $2,500 | 25 |
| " ditto farm barn, cost one thousand dollars | 15 |
| " drawing of machinery | 5 |
| " specimen sculpture | silver medal |
| " specimen transfer painting | 3 |
| second best | 1 |

SECTION VIII.

CHEMICALS.—INDIANA MANUFACTURE.

| | |
|---|---|
| Best varnish | $3 |
| " copal varnish | 2 |
| " glue | 2 |
| " linseed oil | 3 |
| " white lead | 2 |
| " display of candles | 2 |
| " specimen of lard oil | 2 |
| " hard soap | 2 |
| " soft soap | 2 |
| " toilet soap | 2 |
| " display of soap | 2 |
| " display of writing fluid | 3 |
| " display of blacking | 3 |
| " display of mineral paints | 5 |

---

Judge Martindale, of Marion county, presented the following petition:

*Hon. James D. Williams, President, and members of the State Board of Agriculture:*

GENTLEMEN—The undersigned, a committee appointed by the Indianapolis Agricultural and Mechanical Association, respectfully request the use of your fair grounds for the purpose

Digitized by Google

of holding a fair early in September, 1870, agreeing to leave the grounds in as good condition as we found them. Your petitioners would further state that, owing to the fact that the State Fairs being generally held here, has hitherto rendered the holding of county fairs in Marion county a doubtful enterprise; but our citizens, having had a long recess in this regard, desire to see what can be done in this direction for 1870. We therefore pray your honorable body to grant this, our first request, and as representatives in part of the interests which are committed to your special charge, desire your concurrence. Respectfully yours,

| | |
|---|---|
| FIELDING BEELER, | JOHN CHAW, |
| R. J. BRIGHT, | WILLIAM H. ENGLISH, |
| J. GEORGE STILZ, | B. C. SHAW, |
| JOHN FISHBACK, | L. W. HASSLEMAN, |
| T. B. MCCARTY, | F. RUSCHHAUPT, |
| B. F. HAUGH & CO., | E. B. MARTINDALE. |

And, on motion, stated the object of the petitioners and the signers to the same.

After quite an animated discussion, in which Messrs. Hamrick, Judge Martindale, Buskirk, Poole, Williams, Sutherland, Mutz, and others, participated, Judge Buskirk offered the following resolution:

*Resolved*, That the use of the State Fair Ground be granted to the Marion County Agricultural Society from the first day of September to the tenth of said month, provided that nothing herein shall prevent said State Board from making necessary improvements on said grounds during the above mentioned time; provided, further, that said Marion County Society shall return to the Superintendent of said State Board, at the conclusion of said fair, said grounds in as good condition as when received.

Which resolution was unanimously adopted.

The protest and appeal of J. George Stilz and S. Horney & Company were now taken up, and, upon motion, Messrs. Crim, North, and Nelson, were appointed a committee to investigate and report upon said protest. Motion adopted.

Digitized by Google

The protest of H. S. Albershart, in regard to boots and shoes, was now taken up, and, on motion, a diploma was awarded to said H. S. Albershart.

The protest of John M. Youart, in regard to premium awarded on surgical instruments, was presented.

Appeal of S. C. Smith, in regard to wood building machine, and E. H. Jones, in regard to agricultural drawings, and H. C. Wilson, in regard to patent fence, were all taken up, and it appearing from the statement of the Secretary that said parties had all been notified of the time and place of hearing and deciding upon said appeals and protests, and said parties not appearing, on motion of George A. Buskirk, said cases were dismissed for want of prosecution.

The old bill of Bowen & Stewart was referred back to the Board.

On motion of A. D. Hamrick, a special committee, consisting of Messrs. Hamrick, Mutz and Buskirk, were appointed to examine and report upon the old claim of Messrs. Bowen & Stewart, with orders to report on the 25th of February.

The special committee of Messrs. Crim, Buskirk and Nelson, made the following report in regard to the protests of J. George Stilz and S. Horney & Co.:

The committee to whom was submitted the protest of J. George Stilz and S. Horney & Co., have had the same under consideration, and have come to the conclusion that the evidence before them does not establish any fraud that would justify going behind the decision of the Awarding Committee, and ask to be discharged from any further consideration of the subject.

On motion of J. Sutherland, said report was received, concurred in and adopted, and the premium ordered to be paid as awarded by the Awarding Committeee at the last fair.

A communication was received from T. V. Mitchell in regard to premiums on horses and the rules and regulations governing their exhibition at the State Fair.

Digitized by Google

On motion of Mr. Mutz, said communication was referred to the Committee on Rules and Regulations.

On motion, the Board adjourned to meet at eight o'clock A. M. on the 25th of February, 1870.

JOSEPH POOLE,
*Secretary.*

---

## FEBRUARY MEETING, 1870.

FEBRUARY 25, 8 o'clock A. M.

The Indiana State Board of Agriculture met pursuant to adjournment, Hon. J. D. Williams, President, in the Chair.

The names of the members being called, the following named persons answered to their names: L. A. Burke, Benjamin North, William C. Donaldson, William Crim, Joseph Poole, Stephen Davidson, J. D. Williams, Thomas V. Mitchell, A. D. Hamrick, John Sutherland, George A. Buskirk, Jacob Mutz, Alexander Herron, H. Caldwell, J. D. G. Nelson.

Minutes of the last meeting read, and, on motion, adopted.

The bill of Douglass & Conner, for $67.45, was reported upon by the Finance Committee as correct. Said report concurred in and adopted, and an order to be drawn on the Treasurer for the same.

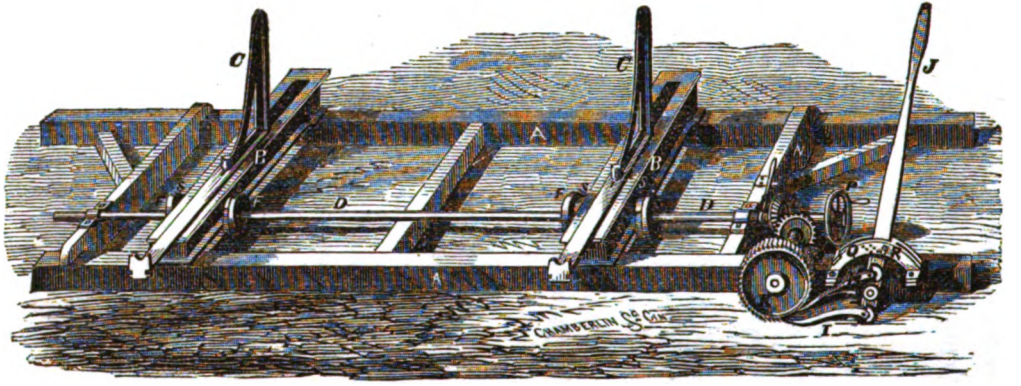
I. D. G. Nelson offered the following resolution:

WHEREAS, The painful and disastrous explosion of the steam boiler at the last State Fair has produced serious apprehensions that the same casualties may occur again, unless proper precaution is exercised to prevent it; and

WHEREAS, This Board had taken unusual steps to avoid such an occurrence, by special direction of its officers, to all the exhibitors using steam for the working of their machinery; and that

WHEREAS, Said exhibitors did not pay proper regard to such instructions, in consequence of which said accident happened; therefore,

Digitized by Google




## *STALEY'S HEAD BLOCK.*

**Manufactured by SINKER & DAVIS, Indianapolis.**

Digitized by Google

Digitized by Google

*Resolved*, That it is the duty and intention of this Board to throw such further guard and restrictions around the exhibition of all machinery requiring the use of steam, so as to render it safe from explosion, in the opinion of a committee hereafter to be appointed under this resolution.

*Resolved*, That the executive committee is hereby instructed and required to appoint a committee to consist of at least one competent engineer, whose duty it shall be to see that every necessary precaution is taken to protect exhibitors and visitors from all danger from the use of steam on the exhibition ground at the next State Fair; and that all exhibitors not complying strictly and promptly with their requirements shall at once be removed from the ground.

Said resolutions adopted, and, on motion of W. C. Donaldson, was ordered to be published in the premium list of 1870.

On motion of J. Sutherland, the reading of the premium on early corn was changed so as to read early field corn.

Mr. Mutz moved to change the reading of the premium on best display and greatest variety of wheat so as to exclnde spring wheat.

Motion lost.

Mr. Mutz offered the following resolution:

*Resolved*, That the complimentary tickets struck for the annual exhibition be divided equally among the members of the State Board of Agriculture.

Which resolution was discussed by Messrs. Mutz, Hamrick, Donaldson, Buskirk and others.

Mr. Burke offered the following resolution:

*Resolved*, That the Secretary be instructed to have printed five hundred complimentary tickets, three hundred for the use of the President and Secretary, and two hundred to be divided equally among the members of the Board.

As an amendment to the resolution of Mr. Burke, Mr. Mutz offered the following resolution:

*Resolved*, That the amendment to the amendment read seven hundred to the President and Secretary, instead of three hundred, as an amendment to. Mr. Burke's resolution and amendment.

On motion of W. C. Donaldson, the resolution and amendments offered by Messrs. Mutz and Burke were referred to a committee of three to report on the same.

Digitized by Google

The President appointed Messrs. Herron, Mutz, and Donaldson, said committee.

The Committee on Fair Grounds made the following report:

MR. PRESIDENT—The Committee on Fair Grounds beg leave to report that, upon an examination of said grounds and buildings, they find the grounds and buildings have been properly cared for since our last fair. Your committee would recommend some improvements upon some of the buildings before our next fair. There should be a substantial plank floor laid in the Fine Art Hall, with good and substantial doors to enclose the same; there should, also, in the opinion of the committee, be constructed a tier of descending seats, beginning at the floor of the executive office on the north, and extending down to a proper distance of the ground; there should, also, be erected elevated seats between the amphitheater and the south gate to the time-track; also, an additional number of benches be made to distribute over the ground; we would also recommend the leasing of the right to erect five additional eating stands upon the ground, in accordance with former usage. Should these recommendations meet the approbation of the Board, and the improvements be made, your committee believe that the improvements will be ample to accommodate all who may visit us during our fair. Which report was concurred in and adopted.

The Finance Committee made the following report on the following bills, viz:

| | |
|---|---|
| J. R. Marot | $42 00 |
| Thomas Theodore | 10 67 |
| Julius Bœtticher | 5 00 |
| John Staub | 2 00 |
| H. Stretcher | 9 00 |

And recommend their payment.

On motion, the report was adopted, and said bills ordered to be paid.

Digitized by Google

The following resolution was offered by Mr. Sutherland:

*Resolved*, That the following be recommended to the Executive Committee as improvements on the Fair Ground: A wire in front of amphitheater; repairing roof of Furniture Hall; arrange gates at west end, and also at south-east corner of Fair Ground, so as to accommodate the visitors; also, to level the ground east of the Secretary's office, and such other minor improvements, as in their judgment, may seem proper.

On motion, said resolution was adopted.

The following resolution was offered by Mr. Crim.

*Resolved*, That the President, Secretary, and Mr. Herron, be appointed a committee to examine the State Board Reports of 1869, and report the condition of their publication at this time.

Which resolution was adopted.

Mr. Sutherland offered the following resolution:

*Resolved*, That we now proceed to apportion to each member the number of gate-keepers and police that each shall furnish, and that the number shall be two to each member.

Which resolution was received and adopted.

The Committee on Complimentary Tickets made the following report:

Your committee, appointed to determine the number of complimentary tickets to be issued this year, beg leave to report that they recommend the issuing of one thousand and fifty; four hundred to be given to the President and Secretary of the Board, and the remainder to be distributed equally among the members of this Board, except twenty-five each to the Treasurer and Superintendent.

Which resolution was adopted.

Mr. Carlos Dickson made the following report, as Treasurer:

Digitized by Google

*Mr. J. D. Williams, President:*

As per order of this Board, dated January 6th, 1870, I purchased, on the 11th of January, 1870, in New York, United States five-twenty bonds of 1868.....$6,000
Interest and premium on the same, 15 per cent..... 900
Banking..... 15

Total.....$6,915

Respectfully submitted,

CARLOS DICKSON, *Treasurer.*

On motion, said report was received and ordered to be spread upon the record.

On motion of Mr. Davidson, the Board adjourned until 2 o'clock P. M.

---

Indiana State Board of Agriculture met at 2 o'clock P. M., pursuant to adjournment.

President Williams in the Chair.

The President announced the following named members as superintendents of the different departments, to-wit:

*Horses*—Thomas V. Mitchell.
*Mechanical*—William Crim and Benjamin North.
*Carriages, wagons and Furniture*—John Sutherland.
*Hogs*—L. A. Burke.
*Fruit*—John C. Shoemaker.
*Miscellaneous*—George A. Buskirk.
*Amphitheater*—Jacob Mutz.
*Agriculture*—Stephen Davidson.
*Gates*—Alex. Herron.
*Cattle*—Hezekiah Caldwell.
*Fine Arts*—I. D. G. Nelson.

Digitized by Google

The following members agreed to furnish the following number of gate-keepers and police:

| | Police. | Gate-keepers. |
|---|---|---|
| Mitchell | 2 | 0 |
| Crim | 1 | 1 |
| Davidson | 1 | 1 |
| Burke | 0 | 2 |
| Williams | 1 | 1 |
| Sutherland | 1 | 1 |
| Buskirk | 1 | 1 |
| Mutz | 0 | 2 |
| Hamrick | 1 | 1 |
| Herron | 1 | 1 |
| Poole | 1 | 1 |
| Caldwell | 1 | 1 |
| Nelson | 0 | 2 |
| Donaldson | 1 | 1 |

Mr. Hamrick made the following report as one of the special committee on the claim of Messrs. Bowen & Stewart:

Mr. President—The select committee appointed to confer with Messrs. Bowen & Stewart, have performed that service, and beg leave to make the following report: The principal and interest of said claim, at six per cent., is about eighty-five dollars; upon agreement, Messrs. Bowen & Stewart agree to receive the sum of forty-five dollars as a full and satisfactory payment of said claim. Your committee recommend that said offer be accepted, and the proper warrant be issued therefor.

Which was adopted, and forty-five dollars ordered to be paid said Bowen & Stewart in full satisfaction for said claim.

Mr. Sutherland presented the following proposition from Lyman Martin, in regard to State Board rooms and Fair Ground fence.



Digitized by Google

*To the State Board of Agriculture:*

I propose, for the exclusive right of bill posting and advertising on the fence around the State Fair Ground until January 1st, 1871, to keep in good order the Secretary's office until January 1st, 1871. I further agree to carry coal, as I have heretofore done, for the State Geologist's rooms until January 1st, 1871.

Which proposition was accepted by the Board, with the condition that said Martin whitewash the east and south fence, free of charge.

Leave of absence was granted the committee on the Loomis resolution.

Mr. Hamrick, as chairman of a select committee, in behalf of William H. Loomis, made the following report:

MR. PRESIDENT—The select committee appointed by the Board on the preamble and resolution which stands on the journal and reads as follows, to-wit: At the request of William H. Loomis, Mr. Poole offered the following preamble and resolution, prepared by said Loomis, Secretary of the Board from 1861 to January, 1867: And

WHEREAS, The said Loomis is aggrieved, and of right ought to be, and desires a thorough investigation on the part of the Board; Therefore be it

*Ordered*, That the Hon. A. D. Hamrick, J. Sutherland, H. Caldwell, W. C. Donaldson, and the Hon. J. D. Williams, be, and the same are hereby appointed a committee, with instructions to examine fully and thoroughly all reasonable matter connected therewith, and report at their earliest convenience.

The committee have had the above preamble and resolution under consideration, and have directed me to make the following report:

That in accordance with such instructions, said Loomis was notified of the readiness of said committee to proceed with such examination, that a time and place, in harmony with the expressed wishes of said Loomis was agreed upon;

Digitized by Google

that the committee was in readiness to proceed with such investigation, but said Loomis failed to appear; that the committee then, in the absence of said Loomis, proceeded to make the examination of the books and vouchers of the Board, relative to the accounts between said Loomis and the Board. The committee also examined the Hon. Stearns Fisher, President of this Board, at the time. The testimony of Mr. Fisher and the books and vouchers on file in the office, fully prove and confirm the report of the Finance Committee, as found on pages 535 aud 536 of the record containing the proceedings of the Board at the special session held April 3d, 1867, which reads as follows: Your committee therefore recommend that the report of this committee be spread upon the journal, and the committee be discharged.

Which report was received and adopted.

The Committee on Finance make the following report:

Messrs. Rees and Donaldson, a majority of the Committee on Finance, report the following condition of William H. Loomis's account as Secretary of the State Board, to-wit:

| | |
|---|---|
| To amount collected by him of Madison Railroad Company | $204 60 |
| For premium due McMillon, of Ohio | 153 00 |
| For premium due Mishawaka man | 37 50 |
| For gold medal for Robison & Company | 70 00 |
| For lumber sold Macy for State Board | 102 50 |
| For amount paid him for Bowen & Stewart | 67 52 |
| Amount due State Board | $635 12 |
| We also find vouchers for payment by the Board for water cooler | 12 00 |
| And for letter book | 6 00 |
| Total amount due | $653 00 |

And that on settlement by Finance Committee with Mr. Loomis last January, (1867), Mr. Loomis said that he had

Digitized by Google

written up a great amount of manuscript for the Board for which he had made no charge, and which would offset the allowance for visit to Washington, and for pay of office boy, which were thought exorbitant by the Board.

In settlement with Secretary Loomis, at January meeting, there appeared by Finance Committee's report a balance in favor of Loomis, which is to be deducted from the above amount of $16, leaving balance due from Loomis of $636 86.

Respectfully submitted. D. C. REES,
W. C. DONALDSON,
April 4, 1867. *Committee.*

Mr. H. Caldwell offered the following resolution:

*Resolved*, That the President, Secretary and Superintendent, be appointed a committee on improvements on the Fair Grounds, and the sum of one thousand dollars be appropriated to pay for the same, upon proper vouchers and orders from the Secretary.

Which resolution was adopted.

Mr. Hamrick offered a resolution that a gold medal, valued at one hundred dollars, be awarded to the best collection of all grades iron. Adopted.

Also, silver medal on all grades of steel, best collection; and ten dollars on the best collection of mineral paints. Adopted.

Mr. Sutherland offered the following resolution:

*Resolved*, That the printing of the premium list be referred to the Secretary, and that he be required to have the same printed without any cost to the Society, to the number of (12,000) twelve thousand copies, and that one thousand of the above be without any advertisements.

Which was adopted.

The following resolution was offered by W. C. Donaldson.

*Resolved*, That fifty copies of the Indiana State Board reports for the year 1869, be sent by express to each member of the State Board.

Which resolution was adopted.

Digitized by Google

On motion of Mr. Sutherland, the following resolution was adopted:

*Resolved*, That the rule No. 3 be so changed as to read as follows: No article or animal can compete for more than one premium, unless as a part of a collection in the same class or in sweepstakes.

Mr. Sutherland offered the following resolution:

*Resolved*, That the Secretary be required to ascertain upon what arrangement each railroad will agree to carry passengers and freights on the several roads, and have the same inserted in the premium list.

Which was adopted.

L. A. Burke offered the following resolution:

*Resolved*, That any member of the State Board, wishing to attend any State or District Fair of 1870, call upon the Secretary, and that he is hereby authorized to give them an appointment to the same under the seal of this Board.

Which was adopted.

The following resolution was offered by H. Caldwell.

*Resolved*, That the amount of two hundred dollars be appropriated for the use of the Secretary to pay for express charges, wrapping paper, twine and other contingent expenses.

Which was adopted.

The following resolution was offered by Mr. Herron.

*Resolved*, That a committee of three be appointed to examine the State Board Report of 1869, and prepare a suitable article to be appended in the back part of the report.

Which was adopted.

The committee appointed by the President on said resolution, are Messrs. Herron, Buskirk and Hamrick.

The Committee on Rules and Regulations made the following report:

MR. PRESIDENT—Your Committee on Rules and Regulations, to whom was referred the communication herewith returned, having had the same under consideration, would recommend that it lie on the table.

Digitized by Google

Which report was concurred in and adopted.

The following resolution was offered by J. Sutherland:

*Resolved*, That evidence will be required that animals exhibited as breeders are not barren, and proof of breeding qualities must be exhibited to the committee, or no award will be made. Breeding cows must have produced a living calf within the two years last past.

Resolution adopted.

The following resolution was offered by H. Caldwell:

*Resolved*, That when this Board adjourns that all unfinished business be referred to the President and Secretary.

Which was adopted.

On motion of Mr. Caldwell, the following resolution was offered and adopted:

*Resolved*, That we raise the premium on the best jeans warp from five dollars to ten dollars, and on the best satinet warp from five dollars to ten dollars, manufactured in Indiana.

On motion of A. D. Hamrick, the following resolution was offered:

*Resolved*, That a premium of twenty-five dollars be offered for the best collection of glassware, manufactured in Indiana.

Which was adopted.

Mr. Caldwell offered the following resolution:

*Resolved*, That a premium of twenty dollars be offered for the best sewing machine, made in Indiana.

Adopted.

Mr. Donaldson offered the following resolution:

*Resolved*, That the Officers and Members of the State Board of Agriculture, accompany Professor Cox on an excursion to Clay County, Indiana, on the 5th day of April next, to examine the mineral regions, iron manufactories, and other objects of interest, in said locality, and that the Governor and State officers be hereby invited to accompany said excursion.

After a lively discussion, the offering of many amendments, and the withdrawing of the same, the original resolution was adopted.

Digitized by Google

On motion of Mr. Buskirk, the Board adjourned to meet on the first Monday in October next, at Indianapolis.

JOSEPH POOLE,
*Secretary.*

---

INDIANAPOLIS, INDIANA, April 5, 1870.

The Indiana State Board of Agriculture met at the Bates House for the purpose of accompanying the Clay County excursion to Brazil and Terre Haute.

Vice-President Sutherland in the Chair.

Members present—Sutherland, Davidson, Mitchell, Mutz, Herron, Poole, Crim, Caldwell and Buskirk.

On motion, the members of the Board present, determined to accompany the excursion and use every effort in their power to make it pleasant and comfortable for the excursionists and profitable to the State of Indiana, by developing and bringing into notice the block coal and other valuable minerals of the State, and inducing capitalists to invest their money for the purpose of bringing into use the great mineral wealth of our State.

Professor E. T. Cox, State Geologist, who had been appointed by the State Board, at its February meeting, to arrange for said excursion and invite capitalists, manufacturers and scientific men to take part in said excursion, being present, reported that all arrangements had been made and perfected, and that many of the invited guests were in the city, and that an excursion train of splendid new cars had been kindly and generously offered by the Indianapolis and Terre Haute Railroad Company for the occasion, free of charge, and would leave the Union Depot at eight o'clock A. M. the next morning.

On motion, the Board adjourned, to meet on the evening of the 5th of April, at the Terre Haute House, in Terre Haute.

Digitized by Google

TERRE HAUTE HOUSE, April 5, 1870.

The Board met pursuant to adjournment.

President J. D. Williams in the Chair.

On motion of Mr. Mutz, a committee, consisting of Messrs. Buskirk, Poole and Herron, were appointed to draft resolutions expressive of the feelings of this Board, for the kindness and facilities extended to them for the benefit of the excursion.

Said committee reported the following resolutions, which were unanimously adopted:

*Resolved*, That the Indiana State Board of Agriculture return their sincere thanks to the proprietors and employees at the different coal mines and iron works visited by said excursion, for the uniform kindness and courteous attention, and especially to the people of Brazil and vicinity, for their kind reception and splendid dinner, which was all that could be expected or desired, and will be gratefully remembered by the whole excursion.

*Resolved*, That we tender to the citizens of Terre Haute our profound thanks for their kindness, liberality and prompt attention to the wants of the entire party, and accept the same as another testimonial of the acknowledged reputation of that community for public spirit and hospitality.

On motion, the Board adjourned to meet at Indianapolis, on the evening of the 6th of April.

JOSEPH POOLE,
*Secretary.*

---

BATES HOUSE, INDIANAPOLIS, April 6, 1870.

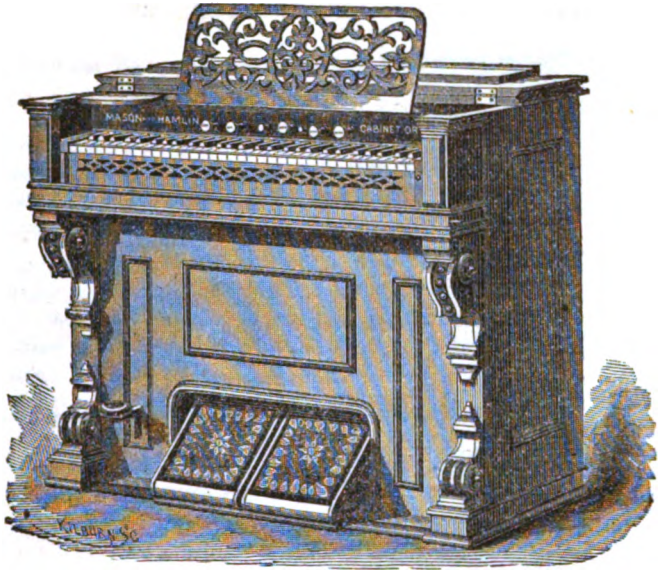
Board met pursuant to adjournment.

Vice-President Sutherland in the Chair.

On motion of Mr. Buskirk, it was—

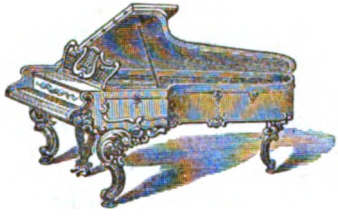
*Resolved*, That the Secretary of the Indiana State Board of Agriculture be authorized to draw upon the Treasurer for a sum not to exceed fifty dollars, to be used in the way of printing, for the benefit of the State Board and State Fair of 1870.

Digitized by Google



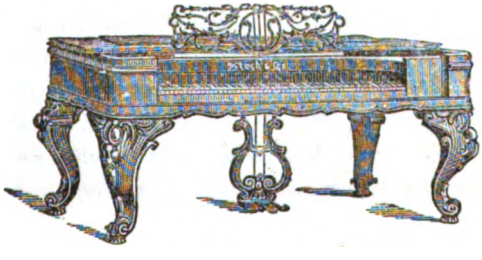

***MASON & HAMLIN ORGAN.***

**Exhibited by A. G. WILLARD & CO., Indianapolis.**



***WEBER GRAND PIANO.***

**Exhibited by A. G. WILLARD & CO., Indianapolis.**



***WEBER SQUARE PIANO.***

**Exhibited by A. G. WILLARD & CO., Indianapolis.**

Digitized by Google

Digitized by Google

The Committee on Resolutions made the following report:

*Resolved*, That we tender to the Terre Haute and Indianapolis Railroad Company, and to its worthy and gentlemanly President, R. H. McKeen, our kindest regards for the liberal and prompt manner they furnished the excursion with a new and magnificent train of cars, and every accommodation the passengers could desire.

*Resolved*, That we tender to the Board of Trade of Indianapolis, to the City Council and the Mayor of the city, and especially to the gentlemanly and accommodating proprietor of the Bates House, our most sincere thanks for their liberality and kindness in supplying the wants of the entire excursion during their stay in the city.

On motion, the resolutions were unanimously adopted.

The Board then adjourned to meet on the third day of October next, at their office on the Fair Ground.

JOSEPH POOLE,
*Secretary.*

---

OFFICE OF STATE BOARD OF AGRICULTURE,
STATE FAIR GROUNDS, October 3, 1870.

A regular meeting of the State Board of Agriculture, pursuant to adjournment, was held to-day.

President Williams in the Chair.

Members present: Burke, Williams, Shoemaker, North, Mitchell, Mutz, Donaldson, Hamrick, Herron, Crim, Poole, Caldwell and Davidson.

The President called the attention of the Board to the fact that a blind man, of good moral character, was desirous of obtaining a portion of the ground, free of charge, for the purpose of selling books, photographs, etc. Whereupon, on motion of Mr. Caldwell, seconded by Mr. Sutherland, the prayer of the petitioner was granted; *provided*, the permission here granted does not conflict with any arrangements heretofore made.

Digitized by Google

Application was made for a space of ground, to be used for a gift enterprise. Whereupon, on motion of Mr. Davidson, it was

*Resolved*, That all such, and any similar enterprises, be excluded from the Fair Grounds.

Mr. Poole stated that Mayor Macauley, of this city, had detailed ten policemen, and one officer of the regular police force, for the purpose of assisting in preserving order on the grounds during the day.

On motion of Mr. Burke, Mr. Poole was appointed a committee of one to consult with the Mayor of the city, and make such arrangements as may be necessary in the case.

On motion of Mr. Poole, Mr. Sutherland was instructed to make arrangements with J. C. Kenard for the conveyance of the Board to and from the Fair Grounds during the fair, and report at the next meeting of the Board.

A motion was offered by Mr. Poole, that the eighth paragraph of section ten, as found on page fourteen of the Premium List, be so changed that a separate premium be awarded for shutter and gate hinges. Which was amended by Mr. Caldwell to read that a separate premium of like amount, mentioned in the list, be awarded to each of the articles mentioned in the aforesaid paragraph.

The motion, as amended, prevailed.

The attention of the Board being called to the fact that a number of free passes, in and out of the Fair Grounds, were about to be issued.

On motion of Mr. Sutherland, it was

*Resolved*, That none but the regular admission tickets be used, and that Mr. Herron, as Superintendent of gates, be, and he is instructed, to use his discretion in the giving of the necessary tickets to the various employes of refreshment stands, cattle, and other exhibitors, and further, that the tickets about to be issued by the assistants of the Superintendent be destroyed.

On motion of Mr. Caldwell, it was—

Digitized by Google

*Ordered*, That each member of the State Board, together with the Secretary, Treasurer, and Superintendent, be each furnished with twenty-five tickets, for the purpose of accommodating the exhibitors and employes in their various departments.

The chief of the city police being present, stated that a communication had been received by the police department from Mr. Benson, the superintendent of the Fair Grounds, and in conformity therewith, they propose to furnish ten patrolmen and one lieutenant on each day, provided said force of eleven men were furnished with dinner, and such other members of the police force as appear at the gates in full uniform be admitted free of charge. Whereupon, on motion of Mr. Poole, it was—

*Resolved*, That the proviso be complied with.

Mr. J. D. Stuart, of LaPorte, having been selected by a committee appointed for the purpose of choosing a practical engineer to take charge and supervision of the steam engines and boilers on exhibition, he was duly elected to the position named. Whereupon, the following resolution, presented by Mr. Sutherland, was passed unanimously:

*Resolved*, That a practical test of all steam engines, for general purposes, sixty pounds of pressure to the square inch of the boiler, as shown by the guages, is sufficient, two guages of water should be required; if less is found in the boiler the fire shall be immediately extinguished until the water is supplied.

On motion, adjourned until 7 o'clock P. M.

---

MASON HOUSE, 7 o'clock P. M.

The Board met, pursuant to adjournment, President Williams in the Chair.

A quorum being present, the following resolution was offered by Mr. Poole:

Digitized by Google

*Resolved*, That A. S. Knapper be granted a license to sell dollar goods, or packages, on the Fair Grounds during the Fair on such terms as may be agreed upon, subject to the rejection or control of said Board, at any time, by refunding a fair proportion of the license charged.

Amended by Mr. Hamrick, by inserting after the word license upon his paying one hundred dollars.

Which amendment was carried.

Upon the question of the resolution, as amended, it was lost.

After some discussion it was—

*Resolved*, That a first premium of fifteen dollars, and second premium of ten dollars, be awarded for bull calves.

Mr. Sutherland reported having made the necessary arrangements for the conveyance of the members of the Board to and from the grounds during the fair, for six dollars a day.

It was—

*Ordered*, That there be a premium of fifteen dollars for the best gelding over two and under three years old, and a second premium of eight dollars on same class.

A communication was presented, asking the appointment of Mrs. Ella A. Long upon a committee.

No action taken.

A communication was presented by Messrs. Allen and Root, in reference to the trial of plows.

Whereupon, on motion of Mr. Sutherland, the communication was laid on the table, and Mr. Sutherland was appointed a committee to make such arrangements as may be necesary for the testing of plows.

The following resolution was offered by Mr. Poole:

*Resolved*, That the Superintendent of the Indiana State Board of Agriculture be authorized to grant permits to persons for the purpose of exhibiting shows, selling goods and refreshments, on the grounds contiguous to the Fair Ground, on such terms as will be about one-half the usual amount now charged for like privileges inside the Fair Ground.

Digitized by Google

Amended by Mr. Hamrick to strike out "exhibiting shows."

Which amendment prevailed.

The question being put upon the original question, as amended, it was lost.

The following resolution, offered by Mr. Poole, was passed unanimously:

*Resolved*, That the Superintendent of Gates is hereby instructed to authorize the gatekeepers on the Fair Ground, during the fair, to receive the complimentary tickets in accordance with the statement thereon in regard to the holders.

The following resolution, offered by Mr. Mutz, was also passed:

*Resolved*, That the Superintendent of the Horse Department, together with Mr. Hamrick, be requested to make examination, and report to-morrow morning, what number, if any more stalls, be needed, and should it be necessary, they are hereby empowered to have built such as may be required.

Mr. Crim offered the following resolution, which was unanimously adopted:

*Resolved*, That the Secretary be authorized to purchase tickets for the conveyance of the Band to and from the Fair Ground, and report to this Board.

On motion, adjourned.

---

OFFICE ON FAIR GROUNDS, October 4, 8½ o'clock A. M.

The Board met, pursuant to adjournment.

President Williams in the Chair.

Members all present but Mr. Buskirk.

The following resolution, offered by Mr. Poole, was passed:

*Resolved*, That the Indiana State Board of Agriculture agree and hereby authorize an order drawn on the Treasury of said Board for the sum of one hundred and seventeen dollars and fifty cents, for the purchase of the floor in Fine Art Hall; one hundred and fifty dollars for the purchase of the hog

Digitized by Google

pens; ninety-three dollars and fifty cents for the lumber in the sheds against the Fine Art Hall, and fifty dollars for the pumps on the Fair Grounds, to be paid to and received by the Indianapolis Agricultural, Horticultural and Mechanical Association in full for all work, repairs and materials furnished by said society on the Fair Grounds.

The committee appointed to procure ground for the trial of plows, reported as follows:

We have leave from Wright & Vinnedge to plow in three streets south of the Fair Grounds, and permission from Mr. Seaton to plow stubble ground owned by him east of the Fair Grounds.

Mr. Mutz offered a resolution that the rule for horses on time be so changed as to require them to go two at a time, best two in three, to harness, which was lost; as also the resolution of Mr. Mutz, that Mr. Mitchell be authorized to make the best compromise with the horsemen he can to their going.

Mr. North offered the following, which prevailed:

*Resolved*, That the fast horses go one at a time, unless those having horses in the different rings unanimously agree to have them go together.

On motion, the Board adjourned to meet at their rooms, at the Mason house, at 7 o'clock P. M.

---

MASON HOUSE, October 4, 7 o'clock P. M.

Board met pursuant to adjournment.

President Williams in the Chair.

Members of the Board all present.

The President called the attention of the Board for the purpose of appointing a committee for Sections 5 and 6.

On motion, Joseph Patterson, V. D. Hamrick, and Dr. A. K. Klan were appointed said committee.

On motion, a Committee on Self-loading Cart was appointed, as follows: Messrs. Crim and Shoemaker.

Digitized by Google

On motion of Mr. Buskirk, a committee was appointed on Sections 10, 11 and 12, consisting of Solomon Tousey, of Perry (recommended by Mr. Shoemaker); Jacob Rush, of St. Joe (recommended by Mr. Sutherland).

On motion of Mr. Buskirk, the choice for the other committees was made by depositing the names of the several candidates in a hat, and the three first drawn by the President should be said committee.

Carried.

Committee on unenumerated articles on exhibition consisted of Dr. R. T. Brown, John Ott, and R. T. Riley.

Committee on miscellaneous articles in Sections 1, 2, 3 and 4: Mr. W. Durham (proposed by Mr. Hamrick); Mr. Caldwell and Mr. Bowman (proposed by Mr. Mutz.)

On motion of Mr. Sutherland it was—

*Ordered*, That Sections 2, 3, 4 and 5 of the Mechanical Department be given to one committee, said committee consisting of Mr. Jos. Peacock, of Fountain, county (proposed by Mr. Poole); Mr. Bradus, of Fayette county (proposed by Mr. Herron); Mr. Geo. Moore, of Fulton county (proposed by Mr. Davidson). Section 7 (except so much of said section as refers to trotting) 8 and 21 were referred to J. W. Lane, proposed by Mr. Shoemaker; Wm. Luflin, proposed by Mr. Herron, and R. N. Hazlitt, proposed by Mr. Hamrick.

On motion, the following persons were appointed a Committee on Stationary Engines, viz: Mr. Mount, of Richmond (proposed by Mr. Hamrick); James W. Dunn, of Knox (proposed by President Williams), and E. B. Holloway, of Madison (proposed by Mr. Crim), the said committee to have the examination of articles in Sections 6, 7, 8 and 9.

On motion, a Committee on Fruits, Sections 8, 9, 10 and 11, to consist of Calvin Fletcher, proposed by Mr. Buskirk; Dr. Warden, proposed by Mr. Shoemaker, and Geo. Nebeker, were appointed.

A number of bills were presented, when, on motion of Mr. Hamrick, the same were referred to the Finance Committee.

On motion, it was—

Digitized by Google

*Ordered*, That Sections 1, 3 and 6 be given to one committee; also,

*Ordered*, That Section 2 (heavy draft) and Section 4 be given to the same committee.

Committee on Sections 1, 3 and 6, as elected, consisted of John Nesbit, proposed by Mr. Mitchell; Robert Sturgeon, proposed by Mr. Mutz, and Mr. T. D. Pollock, proposed by Mr. Poole.

The Committee on Plowing: Mr. H. Klemm, of Kokomo, proposed by Mr. Caldwell; R. S. Gray, proposed by Mr. Buskirk, and W. H. Fritz, proposed by Mr. Donaldson.

On motion, the Board adjoured until 9 o'clock to-morrow morning.

JOSEPH POOLE,
*Secretary.*

---

OFFICE OF STATE BOARD OF AGRICULTURE,
STATE FAIR GROUNDS, October 5, 9 o'clock A. M.

Board met pursuant to adjournment.

President Williams in the Chair.

A motion was offered by Judge Donaldson, that a premium be offered for brood mares, which motion was laid on the table.

On motion of Mr. Caldwell, the exhibitors of reapers and mowers were permitted to move from their present position on the grounds, and occupy the same ground as last year—adjoining Power Hall.

On motion, the following named persons were appointed a Committee on Hogs: Joseph Shrimp, of St. Joe (proposed by Mr. Sutherland); James Bonner, of Decatur (proposed by Mr. Mitchell); Mr. J. B. Gerard, proposed by Mr. North.

Digitized by Google

On motion, a Committee on Sheep was appointed, as follows: Moses Butterworth, of La Porte, proposed by Mr. Sutherland; Alfred Reel, proposed by the President; T. W. Tuttle, proposed by Mr. Crim.

On motion, the Board adjourned to meet on Fair Grounds to-morrow morning, at 8½ o'clock A. M.

JOSEPH POOLE,
*Secretary.*

---

STATE FAIR GROUNDS, October 6, 8 o'clock A. M.

Board met according to adjournment.

Vice President Sutherland in the Chair.

Board was called to order and members called. All present except Geo. A. Buskirk, who was reported sick at the Bates House.

On motion of Mr. Mutz, the reading of the minutes of the last meeting were dispensed with.

On motion of H. Caldwell, a committeeman was substituted in the place of A. Sutherland, who was absent.

On motion of A. D. Hamrick, Thomas Nelson was appointed.

On motion of J. Mutz, two other persons were added to the Committee on Cattle, and

On motion of H. Caldwell, John Dutton and Walna Wilson were the persons added to the regular committee.

On motion, the Board adjourned to meet at 1 o'clock P. M.

JOSEPH POOLE,
*Secretary.*



Digitized by Google

OFFICE ON FAIR GROUNDS, October 6, 1 o'clock P. M.

No business appearing, the Board adjourned to meet at the Mason House, at their rooms, at 7 o'clock P. M.

JOSEPH POOLE,
*Secretary.*

---

MASON HOUSE, October 6, 1870, 8 o'clock P. M.

The Board met pursuant to adjournment.

President Williams in the Chair.

Board called to order. All members present except Mr. Buskirk.

Mr. Munson verbally protested against the premium awarded by the Committee on Lightning Rods.

After explanation by Mr. Munson, the whole matter was laid over until next meeting.

Mr. Davidson asked to be instructed in regard to the meaning of the premium on Section 4 in Field Products, which says the best display and greatest variety of corn.

On motion of J. Poole, he was requested to instruct the committee that variety should control in awarding the premium.

On motion, the following persons were appointed a committee on Sections 15 and 16 (carriages, wagons &c.) viz: W. C. Donaldson and two others, to be selected by himself.

On motion, the following named persons were appointed a Committee on Sweepstakes—on Jacks and Jennets: Samuel Cutzinger, W. C. Coy, and Benj. Judy.

On motion, the following named persons were appointed a Committee on Sweepstakes—on Cattle, viz: Samuel Cutzinger, Benj. Judy, and James T. Johnson.

Digitized by Google

On motion, the following named persons were appointed a Committee on Sweepstakes—on Hogs, viz: Christian Beeler, Valna Wilson, and Richard Hazlett.

On motion, the following named persons were appointed a Committee on Sweepstakes—on Sheep, viz: Fielding Beeler, Elisha Howland, and Geo. Davidson.

On motion, the following named persons were appointed a Committee on Essays—in Section 7, Agricultural Department, viz: A. D. Hamrick, I. D. G. Nelson, and Hezekiah Caldwell.

On motion of Mr. Mitchell, the Board adjourned to meet at the Fair Ground at 8½ o'clock A. M. to-morrow morning.

JOSEPH POOLE,
*Secretary.*

---

OFFICE ON FAIR GROUND, October 7th, 8½ o'clock A. M.

Board met according to adjournment.

President Williams in the Chair.

Members all present except Mr. Buskirk.

Minutes of two previous meetings read, and, on motion, adopted.

On motion, T. W. Tuttle, A. Reel, and M. Butterworth, were appointed a committee on section four and five, in Mechanical Department.

Mr. Crim presented a statement from Committee on Plows, and request from all the exhibitors to dispense with any further test of plowing, from the fact they have no suitable ground furnished to make a fair test.

On motion, the request was granted.

Mr. Munson presented a protest against the premium awarded on lightning rods, which, on motion, was read, and,

Digitized by Google

on motion of A. D. Hamrick, said protest was laid on the table, and time appointed at 11 o'clock A. M. to hear evidence and determine upon said protest.

P. Howland & Sons presented a protest against the award of premiums on apples, as awarded to Mrs. Andrew Wallace.

Said protest, on motion, was taken up, and after considerable discussion and statements from contestants, on motion of I. D. G. Nelson, was indefinitely postponed.

Richard Clark presented a protest against the award of second premium on trotting match, on yesterday, which, upon motion, was laid on the table.

Mr. Donaldson offered the followiug resolution, viz.:

*Resolved*, That Mr. Aikman be permitted to remove five lambs from the Fair Ground at any time after 2 1-2 o'clock P. M. this afternoon.

Which, upon motion, was carried, and an order issued to the Superintendent of the Sheep Department to execute said resolution, if it be requested.

11 o'clock A. M.—The protest of Mr. Munson, on lightning rods, was now taken up, and after statements from the contestants and various parties,

On motion of A. D. Hamrick, the protest was indefinitely postponed.

On motion of Mr. Poole, the crooked and disfigured Munson lightning-rods were ordered to be removed from Mechanical Hall.

Order issued to Superintendent of said hall.

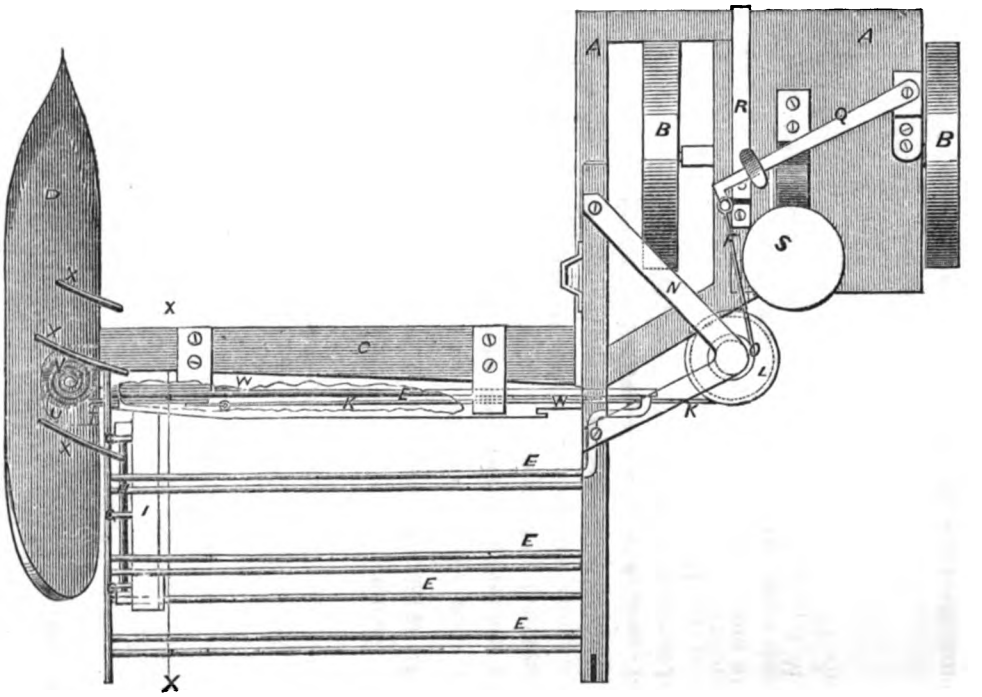
Protest presented by Andrew Wallace, against premium on Ayrshire bulls.

Which, upon motion, was indefinitely postponed.

By suggestion and general consent of the Board, it was—

*Ordered*, That each reaper, mower, sawmill, thresher, separator, drag-saw and sewing machine proprietor, or agent, be requested to furnish a cut of their

Digitized by Google




# WM. W. MILLER & SONS'
# PATENT RAKING ATTACHMENT for HARVESTERS.

**EXHIBITED BY WM. W. MILLER, ZIONSVILLE, IND.**

Digitized by Google

Digitized by Google

respective machines, with the name of the different machines, and the manufacturers or agents' name, and furnish the same to the Secretary within six weeks from this time, and that each machine be granted a space in the Indiana State Board Reports of 1870, not to exceed one page in said report, to be used for cut, name, etc., and that I. D. G. Nelson be appointed a committee of one to inform all persons interested, or having charge of said machines, of said suggestions and order.

On motion, adjourned, to meet again at 1 o'clock P. M. at their office.

JOSEPH POOLE,
*Secretary.*

---

OFFICE ON FAIR GROUND, 1 o'clock P. M.

The Board met pursuant to adjournment.

J. D. Williams, President, in the Chair.

Members all present except George A. Buskirk.

On motion, J. Sutherland was appointed a committee of one to select and appoint three committee men on Carriages and wagons, etc., section fifteen, Mechanical Department, and the same order in regard to section sixteen, in same department; also, same order in regard to sections three and four, in Miscellaneous Department, and report names and proceedings to this Board.

On motion, the Board adjourned to meet at 7 o'clock P. M., at their rooms at the Mason House.

JOSEPH POOLE,
*Secretary.*

---

STATE BOARD ROOMS, MASON HOUSE,
October 7th, 7 o'clock P. M.

Board met pursuant to adjournment.

President Williams in the Chair.

Members all present except George A. Buskirk.

Digitized by Google

D. R. Clark presented protest in regard to award of Committee on Premiums in Fine Art Department, which, after some discussion,

On motion, was laid on the table.

On motion of J. Poole, a resolution was adopted, allowing gatekeepers the sum of three dollars per day for actual service during the fair.

Various bills and accounts were presented, passed upon, and orders drawn on Treasurer, and much other business transacted, when,

On motion, at 11 o'clock P. M., the Board adjourned, to meet at their rooms on Fair Grounds at 9 o'clock A. M. on Saturday, October 8, 1870.

JOSEPH POOLE,
*Secretary.*

---

FAIR GROUNDS, October 8, 1870, 9 o'clock P. M.

Board met pursuant to adjournment.

President Williams in the Chair.

Members all present, except Geo. A. Buskirk.

W. M. Jones presented protest against the award of premiums by Awarding Committee on Double Teams, viz:

*Hon. J. D. Williams, President:*

DEAR SIR:—In awarding premium on double teams for Roadsters in Section 6, one team was changed to General Purpose class, and a remark made saying, "changed to General Purpose." The committee say they were under the impression the class had been changed to General Purpose; hence gave second premium to a small pair of blacks. Had this remark not been made on the book—two of the committee, Mr. Nesbit and the gentleman from Johnson county,

Digitized by Google

tell me—I would have received the second premium, $20 00. Besides, this black team showed in the General Purpose ring before. Mr. Caldwell, Sr., of Fayette county, can explain. I most respectfully ask you to reverse second premium in justice to me, and oblige. Very respectfully,

W. M. JONES, *Agent.*

H. Albershart presented protest against the payment of premium on boots.

Mrs. Alice A. Condit presented request to have a new com-committee appointed to examine quilts, and,

Upon motion, said committee was appointed, and reported that, upon proper examination, they recommend a second premium be awarded to her on comfort.

On motion, said report was adopted and said premium ordered to be paid.

On motion of Wm. Crim, the award of the premium in the James case, on double trotting team, was sustained.

On motion of A. D. Hamrick, the protest of Mr. Albershart was laid on the table.

A communication was presented by John G. Hanning in regard to fountains, and,

On motion of A. D. Hamrick, said communication was laid on the table.

A protest was presented by Wm. Findley and Thomas C. Smock, in regard to premium awarded on corn.

On motion of A. D. Hamrick, that portion which related to variety was laid on the table; and that portion relating to premium on best half bushel white corn be so received as to award the premium to Thomas C. Smock.

On motion of J. Mutz, Mr. Durham was allowed three dollars for extra work at Amphitheater.

On motion of H. Caldwell, John D. Stewart, as inspector of engines on Fair Ground, was allowed five dollars per day for five days' services.

Digitized by Google

Mrs. L. L. Jackson asked to have the premium granted her on charts for cutting garments changed, and a diploma substituted; which request,

On motion of B. North, was granted.

Mr. Mitchell moved that after this Board adjourn the Executive Committee continue in sesssion, and are hereby authorized to transact and complete all unfinished business.

On motion of H. Caldwell, the Superintendent is hereby instructed and requested to take possession of all property of every description, left on the Fair Ground, belonging to the Board, make an inventory of the same, and file a copy with the Secretary, and take care of the same, and also take charge of all other property left on the grounds until called for by the proper owners or agents.

On motion of William Crim, J. R. Morton was allowed twenty-four dollars for six days clerking in Secretary's office in Agricultural Department, and an order drawn on the Treasurer for the same.

On motion of William Crim, William Jones was allowed ten dollars for sweeping Fine Art Hall during the fair.

On motion, John Irwin was allowed one dollar and fifty cents for one and one-half days extra gatekeeping during the fair.

On motion of H. Caldwell, O. F. Mayhew was allowed four dollars per day, for eight days services as clerk for J. S. Benson, General Superintendent of Fair Grounds.

On motion of J. Poole, Frank Gaines was allowed three dollars per day for six days hauling, instead of eight dollars and fifty cents per day, as charged in bill first presented by him.

Motion adopted.

On motion, John A. Moore, assistant Superintendent of Agricultural Hall, was allowed eighteen dollars for six days services during the fair.

Digitized by Google

On motion of B. North, R. Butten was allowed one dollar and fifty cents, in addition to bill heretofore presented and paid, for one-half day additional service.

On motion, P. Jennings was allowed for six days, Joseph Dufley five days, and Geo. T. Murdock five days, at three dollars each, for services in Miscellaneous Hall during fair.

A protest was presented by Mrs. G. M. Lowe against the awarding of premium to A. L. Suthard on writing, on account of said Suthard being a professional exhibitor, when the entry and award was made in the amateur list.

On motion of H. Caldwell, the premium was ordered to be changed, and an order drawn for the same in favor of Mrs. G. M. Lowe.

On motion of Alex. Herron, all outside gate-keepers were allowed the sum of four dollars per day for services during the fair.

On motion the Board adjourned to meet at the Mason House at 7 oclock P. M.

JOSEPH POOLE,
*Secretary.*

---

MASON HOUSE, October 8, 1870, 7 o'clock P. M.

The Board met pusuant to adjournment.

President Williams in the Chair.

On motion of H. Caldwell, the following resolution was unanimously adopted:

*Resolved*, That the premium awarded by the Committee on Worked Marble, to W. W. Wallace, is a mistake. It should be given to T. L. James & Brother. Therefore,

*Resolved*, That the premium be paid to James & Brother.

Digitized by Google

On motion of H. Caldwell, the following resolution was unanimously adopted:

*Resolved*, That the thanks of the State Board be and are hereby tendered to the citizens of Indianapolis for the great interest they manifested in the success of the State Fair, and especially to the ladies for their fine display of green house and bedding out plants in Floral Hall. And also to the Mayor of the city for the gentlemanly police he furnished us during the fair.

On motion, the Board adjourned *sine die*.

OSEPH POOLE,

*Secretary Indiana State Board of Agriculture.*

Digitized by Google

# PREMIUMS AWARDED

AT THE

## STATE FAIR, OCTOBER 3, 1870.

---

## LIVE STOCK DEPARTMENT.

---

THOS. V. MITCHELL, - - - ATTENDING MEMBER.

---

### SECTION I—THOROUGH BRED HORSES.

*Stallion, four years old and over, four entries.*

P. O. Turpie, Cannelton, Carrol county, Kentucky, first premium ..... $50 00

Brood Mare, Bennet Shields, New Palestine, Hancock county, first premium ..... 30 00

Geo. J. Daugherty, Milford, Decatur county, second premium ..... 15 00

J. J. NESBIT,
R. S. STURGEON,
T. D. POLLOCK,
*Committee.*

### SECTION II—HORSES FOR GENERAL PURPOSES.

*Stallion, four years old and over, twelve entries.*

Milton Lacy, Gosport, Owen county, Indiana, first premium ..... 50 00

Digitized by Google

James H. Bundy, Terre Haute, Indiana, second premium ..... $25 00

*Stallion, three years old and under four, five entries.*

J. T. Hardin, Indianapolis, Indiana, first premium.... 40 00
Jonas Lipe, Pittsboro, Hendricks county, second premium ..... 20 00

*Stallion, two years old and under three, two entries.*

David R. Smock, Southport, Indiana, first premium... 20 00

*Stallion, one year old and under two, five entries.*

T. M. Robinson, Greenwood, Johnson county, Indiana, first premium ..... 10 00
Francis C. Rock, Charlottsville, Hancock county, Indiana, second premium..... 5 00

*Stallion Sucking Colt, ten entries.*

J. T. Hardin, Indianapolis, Indiana, first premium .. 8 00
Isaac Marte, Arcadia, Hamilton county, Indiana, second premium..... 4 00

*Mare, four years old and over, seventeen entries.*

James Galloway, Yountsville, Montgomery county, Indiana, first premium..... ..... 30 00
J. L. Caldwell, Rushville, Indiana, second premium .. 15 00

*Mare, three years old and under four, two entries.*

Commodore P. Williams, Smootsville, Hendricks county, Indiana, first premium..... 20 00
Benton Snyder, Crawfordsville, Indiana, second premium ..... 10 00

*Mare, two years old and under three, four entries.*

J. T. Hardin, Indianapolis, Indiana, first premium.... 10 00
Wm. H. Hughes, Brownsburg, Hendricks county, Indiana, second premium..... 5 00

Digitized by Google

*Mare, one year old and under two, one entry.*

Bennet Shields, Palestine, Hancock county, Indiana, first premium..... 10 00

*Sucking filly, seven entries.*

C. F. Catterson, Galaudett, Marion county, Indiana, first premium..... 8 00
Bennet Shields, Palestine, Indiana, second premium.. 4 00

*Geldings, four years old and over, nineteen entries.*

Wm. Laflin, Liberty, Marion county, Indiana, first premium..... 30 00
Geo. Guthrie, Thorntown, Indiana, second premium.. 10 00

*Gelding, three years old and under four, four entries.*

James Wilson, Rushville, Indiana, first premium..... 20 00
B. F. McFarland, Southport, Indiana, second premium 10 00

*Gelding, two years old and under three, four entries.*

Wm. C. Smock, Indianapolis, Indiana, first premium.. 15
George J. Dougherty, Clifty, Decatur county, Indiana, second premium..... 8

JOSEPH COLES,
WM. M. MCCOY,
S. A. WALLACE,
*Committee.*

SECTION III—ROADSTERS AND LIGHT HARNESS HORSES.

*Stallion, four years old and over, eleven entries.*

James Wilson, Rushville, Indiana, first premium..... 50
Plainfield Live Stock Company, Plainfield, Indiana, second premium..... 25

Digitized by Google

*Stallion, three years old and under four, three entries.*

Wm. M. Wilson, Jamestown, Boone county, Indiana, first premium ..... 40
Wm. Junken, Pittsboro, Hendricks county, Indiana, second premium ..... 20

*Stallion, two years old and under three, one entry.*

Wm. H. Case, Augusta Station, Indiana, first premium, 20

*Mare, four years old and over, nine entries.*

I. B. Loder, Raleigh, Indiana, first premium ..... 20
Wood & Foudray, Indianapolis, Indiana, second premium ..... 10

*Mare, three years old and under four, one entry.*

Milton Lacy, Gosport, Indiana, first premium ..... 20

*Mare, two years old and under three, four entries.*

George J. Dougherty, Clifty, Decatur county, Indiana, first premium ..... 10
J. H. White, Greenfield, Hancock county, Indiana, second premium ..... 5

*Gelding, four years old and over, nineteen entries.*

Gates, Pray & Company, Indianapolis, Indiana, first premium ..... 20
I. B. Loder, Raleigh, Indiana, second premium ..... 10

*Gelding, three years old and under four, four entries.*

W. W. Northrup, Indianapolis, Indiana, first premium, 20
W. L. Hore, Indianapolis, Indiana, second premium .. 10

J. J. NESBIT,
T. D. POLLOCK,
R. S. STURGEON,
*Committee.*

Digitized by Google

SECTION IV—HEAVY DRAFT HORSES—SIXTEEN ENTRIES.

*Stallion, four years old and over, four entries.*

Plainfield Live Stock Company, Plainfield, Hendricks county, Indiana, first premium..... 50
Gates, Pray & Company, Indianapolis, Indiana, second premium .....

*Stallion, three years old and under four, two entries.*

Benton Snyder, Crawfordsville, Indiana, first premium, 40
William H. Hughes, Brownsburg, Hendricks county, Indiana, second premium..... 20

*Mare, four years old and over, six entries.*

S. L. Hamilton, Northfield, Boone county, Indiana, first premium..... 30
Finley Furguson, Bentonville, Fayette county, Indiana, second premium..... 15

*Mare, three years old and under four, one entry.*

E. Ogle, Lewisville, Henry county, Indiana, first premium..... 20

*Gelding, four years old and over, three entries.*

Benjamin Vestal, Plainfield, Hendricks county, Indiana, first premium..... 10
Gates & Pray, Indianapolis, Indiana, second premium, 5

JOSEPH CALES,
WM. M. McCOY,
S. A. WALLACE,
*Committee.*

SECTION V.

Awards in this class will be made with reference to form, style, speed, action and endurance.

*Trotting stallion, six entries.*

John Jennings, Fort Wayne, Indiana, first premium, 100.

Digitized by Google

I. B. Loder, Raleigh, Rush county, Indiana, second premium, ..... 50

*Trotting gelding, or mare, ten entries.*

I. B. Loder, Raleigh, Rush county, Indiana, first premium, time 2:42..... 100
C. B. Jackson, Centerville, Wayne county, Indiana, second premium,..... 50

Considerable excitement prevailed through the crowd during this trial of speed, and the committee was some time in giving their decision; but when the award was made there was great cheering, and all appeared well satisfied.

*Pacing stallion, three entries.*

Swain & Frazer, Belmore, Parke county, Indiana, first premium,..... 100
Sylvanus Barnard, Martinsville, Morgan county, Indiana, second premium, ..... 50

*Pacing gelding, or mare, nine entries.*

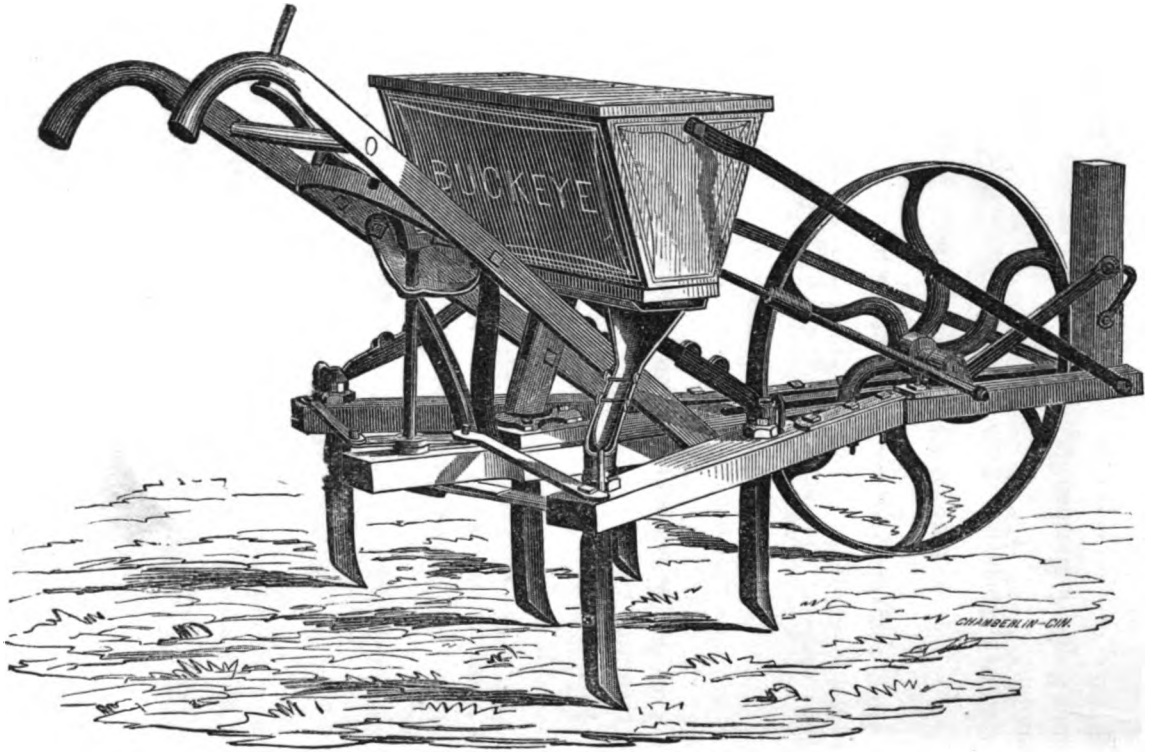
James Wilson, Rushville, Indiana, first premium, time 2:27½ ..... 100
I. J. Hackney, Edinburg, Johnson county, Indiana, second premium, time 2:31.....

*Racking horse, mare or gelding, six entries.*

Eli White, Quincy, Owen county, Indiana, first premium, time 2:59..... 40
James Wilson, Rushville, Rush county, Indiana, second premium, time 3:09..... 20
Wm. M. Jones, Agent, Indianapolis, Indiana, second premium, ..... 25 00

V. D. HANNAH,
JAMES D. PATTERSON,
TRAIN CALDWELL,
*Committee.*

Digitized by Google




***BUCKEYE GRAIN DRILL (Two or One Horse.)***

**Manufactured by THOMAS & MAST, Springfield, Ohio. Exhibited by J. GEO. STILZ, Indianapolis.**

Digitized by Google

Digitized by Google

SECTION VI—MATCHES OR SINGLE HORSES FOR GENERAL PURPOSES.

*Pair Matches, Geldings or Mares, ten entries.*

Wm. Laflin, Liberty, Indiana, first premium ..... $50 00
James Galloway, Yountsville, Montgomery county, Indiana, second premium ..... 25 00

*Pair Matches, Geldings or Mares. six entries.*

I. B. Loder, Raleigh, Rush county, Indiana, first premium ..... 40 00
Elias Algier, Columbus, Bartholomew county, Indiana, second premium ..... 20 00

*Heavy Draft Team, five entries.*

Finley Ferguson, Bentonville, Fayette county, Indiana, first premium ..... 40 00
Gates, Pray & Co., Indianapolis, Indiana, second premium ..... 20 00

*Geldings, any age, eleven entries.*

Hamilton Jackson, Moorsville, Morgan county, Indiana, first premium ..... 20 00
E. F. Hunt, Danville, Indiana, second premium ..... 10 00

*Mare, any age, six entries.*

J. L. Caldwell, Rushville, Rush county, Indiana, first premium ..... 20 00
Sylvanus Barnard, Martinsville, Morgan county, second premium ..... 10 00

J. J. NESBIT,
R. S. STURGEON,
T. D. POLLOCK,
*Committee.*



Digitized by Google

SECTION VII—SWEEPSTAKES ON HORSES.

*Stallion of any age or class, twenty-five entries.*

Milton Lacy, Gosport, Indiana, first premium .....$75 00

*Mare of any age or class, twenty-three entries.*

J. L. Caldwell, Rushville, Indiana, first premium..... 50 00

*Stallion, showing five best colts, one entry.*

Swaim & Frazee, Belmore, Parke county, Indiana, first premium.....100 00

*Trotting Horse, Mare, or Gelding, seven entries.*

Mike Cavinaugh, Cincinnati, Ohio, first premium....300 00

*Trotting Mare or Gelding, two entries.*

L. B. Loder, Raliegh, Rush county, Indiana, first premium.....100 00

J. W. LANE,
G. W. KING,
L. F. HINCHMAN,
*Committee.*

SECTION VIII.

*Jack, three years old and over, nine entries.*

Warren Hardwick, Danville, Hendricks county, Indiana, first premium,..... 40 00
S. K. Fletcher, Indianapolis, Indiana, second premium, 20 00

*Jack, two years old and under three, one entry.*

Addison Root, Milroy, Rush county, Indiana, first premium ..... ..... .. 30 00
Only one entry.

*Jennet, three years old and over, three entries.*

James H. Quick, Clifford, Bartholomew county, Indiana, first premium..... ..... 15 00

Digitized by Google

James H. Quick, Clifford, Bartholomew county, Indiana, second premium..... $5 00

*Mule, three years old and over, seven entries.*

James Wilson, Rushville, Rush county, Indiana, first premium..... 20 00
E. A. Pinnell, Ladoga, Montgomery county, Indiana, second premium..... 10 00

*Mule two years old and under three, four entries.*

J. T. Hardin, Indianapolis, Indiana, first premium.... 20 00
Only one exhibited.

*Mule, one year old and under two, three entries.*

S. H. Anderson, Southport, Marion county, Indiana, first premium..... 10 00
S. H. Anderson, Southport, Marion county, Indiana, second premium..... 5 00

*Mule colt, one entry.*

Jefferson Churchill, Wabash, first premium..... 8 00

*Pair mules, three years old and over, four entries.*

P. A. Pinnell, Ladoga, Montgomery county, Indiana, first premium..... 30 00
James Wilson, Rushville, Rush county, Indiana, second premium..... 15 00

J. W. LANE,
G. W. KING,
L. F. HINCHMAN,
*Committee.*

Digitized by Google

SECTION IX—SWEEPSTAKES ON JACKS AND JENNETS.

*Jacks of any age.*

Warren Hardwick, Danville, Hendricks county, Indiana, first premium.....silver medal and $30 00

*Jennet of any age.*

James H. Quick, Clifford, Bartholomew county, Indiana, first premium.....silver medal and 20 00

SAMUEL CUTSINGER,
WM. M. MCCOY,
J. M. DOUGHERTY,
*Committee.*

## CATTLE.

HEZEKIAH CALDWELL, Attending Member.

SECTION X—BREEDING CATTLE.

*Bull, four years old and over, six entries.*

Edward Iles, Springfield, Illinois, first premium..... 75 00
Rankin Baldridge, Hagerstown, Wayne county, Indiana, second premium..... 35 00

*Bull three years old and under four, two entries.*

Charles Lowder, Plainfield, Hendricks county, Indiana, first premium..... 50 00
Greenville Wilson, Cons' Creek, Shelby county, Indiana, second premium..... 25 00

*Bull, two years old and under three, seven entries.*

Edward Iles, Springfield, Illinois, first premium..... 30 00
S. Meridith, Cambridge, Indiana, second premium.... 15 00

*Bull one year old and under two, three entries.*

J. M. Woodruff, Nineva, Johnson county, Indiana, first premium..... 15 00

Digitized by Google

Charles Lowder, Plainfield, Hendricks county, Indiana, second premium ..... $10 00

*Bull calf, fourteen entries.*

General S. Meridith, Cambridge, Indiana, first premium ..... 10 00
Charles Lowder, Plainfield, Indiana, second premium, 5 00

*Cow four years old and over, ten entries.*

General S. Meridith, Cambridge, Indiana, first premium ..... 30 00
Edward Iles, Springfield, Illinois, second premium .... 15 00

*Cow, three years old and under four, six entries.*

General S. Meridith, Cambridge, Indiana, first premium, 20 00
Edward Iles, Springfield, Illinois, second premium .... 10 00

*Cow, two years old and under three, seven entries.*

J. L. Caldwell, Raleigh, Rush county, Indiana, first premium ..... 20 00
Edward Iles, Springfield, Illinois, second premium .... 10 00

*Heifer, one year old and under two, ten entries.*

Edward Iles, Springfield, Illinois, first premium ..... 10 00
General S. Meridith, Cambridge, Indiana, second premium ..... 5 00

*Heifer calf, twelve entries.*

General S. Meridith, Cambridge, Indiana, first premium ..... 10 00
Edward Iles, Springfield, Illinois, second premium .... 5 00

*Devon bull, one entry.*

John H. Kenyon, Indianapolis, Indiana, first premium, silver medal and ..... 20 00

Digitized by Google

*Ayrshire bull, two entries.*

Jessup & Company, Bristol, Elkhart county, Indiana, first premium.....silver medal and $20 00

*Ayrshire cow, three entries.*

F. P. Hardy, Decatur, Illinois, first premium..... silver medal and.... ..... ..... 20 00

*Alderny cow, one entry.*

Jessup & Company, Bristol, Elkhart county, Indiana, first premium.....silver medal and 20 00

VOLNEY WILSON,
THOS. NELSON,
ZALMON TOUSEY,
JOHN DUFTON,
JACOB RUSH,
*Committee.*

SECTION XI—OXEN AND STEERS.

*Steer, two years old and under three, one entry.*

J S. Wren, Jamestown, Boone county, Indiana, first premium..... ..... 10 00

ZALMON TOUSEY,
JACOB RUSH,
THOS. NELSON,
JOHN DUFTON,
*Committee.*

SECTION XII—FAT CATTLE, SHEEP AND HOGS.

*Fat steer, no entry.*

*Five fat hogs, one entry.*

W. L. Hartsock, Lawrence, Marion county, Indiana, first premium..... ..... ..... 20 00

Digitized by Google

REASON FOR GIVING PREMIUM.—Sixteen months old; consider them very fine for cross breeds; said to be a cross of Chester White, Poland and China; have the appearance of carrying flesh at any age.

*Five fat sheep, one entry.*

George W. Morgan, Elyria, Loraine county, Ohio, first premium . . . . . $15 00

*Fat steer, two entries.*

Loder & Kennedy, Raleigh, Rush county, Indiana, first premium . . . . . 20 00
Committee made no award for second premium.

*Fat cow, three entries.*

J. L. Caldwell, Raleigh, Rush county, Indiana, first premium . . . . . 20 00
Weight, 2,070 pounds; age, seven years.

Greenville Wilson, Cons' Creek, Shelby county, Indiana, second premium . . . . . 10 00
Weight, 1,780 pounds; age, three years.

*Fat sheep, two entries.*

George F. Morgan, Elyria, Loraine county, Ohio, first premium . . . . . 5 00

George F. Morgan, Elyria, Loraine county, Ohio, second premium . . . . . 3 00

*Fat hogs, three entries.*

W. C. Hartsock, Lawrnece, Marion county, Indiana, first premium . . . . . 10 00

W. C. Hartsock, Lawernce, Marion county, Indiana, second premium . . . . . 5 00
Premium given for flesh at an early age.

VOLNEY WILSON,
THOMAS NELSON,
JOHN DUFTON,
ZALMON TOUSEY,
JACOB RUSH,
*Committee.*

Digitized by Google

SECTION XIII—SWEEPSTAKES ON CATTLE.

*Bull, any age, fifteen entries.*

Putnam County Stock Company, Greencastle, Indiana, premium.....$75 00

*Cow, any age, eighteen entries.*

Edward Iles, Springfield, Illinois, premium..... 50 00

*Bull and five Calves, not less than six months old, and the Bull as to condition, health and vigor to exhibit good breeding condition, two entries.*

Geo. S. Wrem, Jamestown, Bnone county, Indiana, premium.....100 00

*Herd of six head, consisting of one Bull, one Cow, one Three Year Old, one Two Year Old, one Yearling, and one Calf under one year old, two entries.*

Edward Iles, Springfield, Illinois, premium.....100 00

SAMUEL CUTSINGER,
BENJ. JONES,
JAS. T. JOHNSON,
*Committee.*

SECTION XIV—HOGS.

L. A. BURKE, Attending Member.

*Boar, two years old and over, nine entries.*

Jesse Cloyd, Champaign City, Illinois, first premium.. 30 00
W. W. Green, Oxford, Ohio, second premium..... 15 00

*Boar, one year old and under two, eleven entries.*

Geo. H. Gifford, Falmouth, Fayette county, Indiana, first premium ..... 25 00
S. F. Pentecost, Zionsville, Indiana, second premium. 10 00

*Boar, under twelve and over six months, sixteen entries.*

Job Rogers, Clayton, Hendricks county, Indiana, first premium ..... 20 00

Digitized by Google

S. F. Pentecost, Zionsville, Indiana, secondpremium..$10 00

*Sow, two years old and over ten entries.*

S. F. Pentecost, Zionsville, Indiana, first premium.... 20 00
H. C. Winchester, Franklin, Indiana, second premium 10 00

*Sow, one year old and under two, seven entries.*

Rankin Baldridge, Hagerstown, Wayne county, Indiana, first premium..... 20 00
Jesse Cloyd, Champaign City, Illinois, second premium..... 20 00

*Sow, under twelve and over six months, sixteen entries.*

Chas. Lowder, Plainfield, Hendricks county, Indiana, first premium..... 10 00
S. F. Pentecost, Zionsville, Indiana, second premium.. 5 00

*Five Shoats, six months old, fourteen entries.*

Banks & Zeigler, Laporte, Indiana, first premium.... 20 00
Job Rogers, Clayton, Hendricks county, Indiana, second premium..... 10 00

*Sow and five sucking pigs, four entries.*

Job Rogers, Clayton, Hendricks county, Indiana, first premium..... 25 00
H. C. Winchester, Franklin, Johnson county, Indiana, second premium..... 10 00

J. F. Bonner, Springfield, Ind.
Jacob Shrimp, New Carlisle, Ind.
J. B. Gerard, Hartford, Ind.
*Committee.*

SECTION XV—SWEEPSTAKES ON HOGS.

*Boar of any age, twenty-seven entries.*

R. G. Hayworth, Liberty, Union county, Indiana, premium..... 50 00

Digitized by Google

*Sow of any age, twenty-four entries*

Rankin Baldridge, Hagerstown, Wayne county, Indiana, premium..... $50 00

Early maturity, carrying the greatest amount of weight, with least feed.

*Boar and five pigs, under six months old, nine entries.*

Rankin Baldridge, Hagerstown, Wayne county, Indiana, premium..... 50 00

C. C. BEELER,
R. M. HAZLETT,
VOLNEY WILSON,
*Committee.*

## SHEEP.

☞ *Fine wool speep to include Spanish and French Merinos and their crosses.*

SECTION XVI.

*Buck, two years old and over, three entries.*

Wm. A. Banks, Laporte, Indiana, first premium..... 20 00
Archibald Collins, Portland Mills, Putnum county, Indiana, second premium..... 10 00

*Buck, one year old and under two, one entry.*

Archibald Collins, Portland Mills, Putnam county, Indiana, premium..... 10 00

*Ewe, two years old and over, one entry.*

Archibald Collins, Portland Mills, Indiana, premium.. 10 00

*Ewe, one year old and under two, one entry.*

Archibald Collins, Portland Mills, Indiana, premium.. 10 00

Digitized by Google

*Ewe Lamb, one entry.*

Archibald Collins, Portland Mills, Indiana, premium.. $5 00

T. W. TUTTLE,
ALFRED REED,
MOSES BUTTERWORTH,
*Committee.*

SECTION XVIII—LONG WOOL SHEEP—COTSWOLD.

*Buck, two years old and over, three entries.*

Geo. F. Morgan, Elyria, Loraine county, Ohio, first premium ... ..... 20 00

Greenville Wilson, Cons' Creek, Shelby county, Indiana, second premium..... ..... 10 00

*Buck under two years old, three entries.*

Geo. F. Morgan, Elyria, Loraine county, Ohio, first premium..... 10 00

S. M. Henderson, Trafalgar, Johnson county, Indiana, second premium ..... 5 00

*Buck Lambs, two entries.*

Oeo. F. Morgan, Elyria, Ohio, premium..... 5 00

*Ewe, two years old and under one, four entries.*

Geo. F. Morgan, Elyria, Ohio, first premium..... 10 00

Goo. F. Morgan, Elyria, Ohio, second premium..... 5 00

*Ewe Lambs, two entries.*

Geo. F. Morgan, Elyria, Ohio, premium..... 5 00

T. W. TUTTLE,
MOSES BUTTERWORTH,
ALFRED REED,
*Committee.*

SECTION XIX—SOUTHDOWNS.

*Buck, two years old and over, four entries.*

W. T. Marquess, Cambridge, Indiana, first premium.. 20 00

S. K. Fletcher, Indianapolis, Indiana, second premium 10 00

Digitized by Google

*Buck, one year old and under two, one entry.*

S. K. Fletcher, Indianapolis, Indiana, premium.....$10 00

*Buck Lambs, one entry.*

S. K. Fletcher, Indianapolis, Indiana, premium..... 5 00

*Ewe, two years old and over, four entries.*

S. K. Fletcher, Indianapolis, Indiana, first premium.. 10 00
Greenville Wilson, Cons' Creek, Shelby county, Indiana, second premium..... 5 00

*Ewe, one year old and under two, three entries.*

S. K. Fletcher, Indianapolis, Indiana, first premium.. 10 00
S. K. Fletcher, Indianapolis, Indiana, second premium 5 00

*Ewe lamb, three entries.*

W. T. Marquess, Cambridge, Wayne county, Indiana, premium..... 5 00

T. W. TUTTLE,
MOSES BUTTERWORTH,
ALFRED REED,
*Committee.*

SECTION XX—FINE-WOOL, THOROUGH-BRED AMERICAN MERINOS.

*Buck, two years old and over, four entries.*

W. A. Banks, LaPorte, Indiana, first premium..... 20 00
Archibald Collins, Portland Mills, Putnam county, Indiana, second premium..... 10 00

*Buck, one year old and under two, three entries.*

Archibald Collins, Portland Mills, Putnam county, Indiana, first premium ..... 20 00
William A. Banks, LaPorte, Indiana, second premium, 10 00

Digitized by Google

***BUCKEYE CORN CULTIVATOR or PLOW.***

**Manufactured by THOMAS & MAST, Springfield, Ohio. Exhibited by J. GEO. STILZ, Indianapolis.**

Digitized by Google

Digitized by Google

*Buck lambs, four entries.*

Archibald Collins, Portland Mills, Putnam county, Indiana, first premium.. ..... $10 00
John W. Zeigler, LaPorte, Indiana, second premium, 5 00

*Ewe, two years old and over, four entries.*

W. A. Banks, LaPorte, Indiana, first premium,..... 15 00
Archibald Collins, Portland Mills, Putnam county, Indiana, second premium.. ..... 8 00

*Ewe, one year old and under two, four entries.*

Archibald Collins, Portland Mills, Putnam county, Indiana, first premium..... 10 00
William A. Banks, LaPorte, Indiana, second premium..... 5 00

*Buck, showing five best lambs, two entries.*

W. A. Banks, LaPorte, Indiana, first premium..... 30 00
Archibald Collins, Portland Mills, Putnam county, Indiana, second premium..... ..... 15 00

*Ewe lamb, three entries.*

J. W. Zigler, LaPorte, Indiana, premium..... 5 00

T. W. TUTTLE,
MOSES BUTTERWORTH,
ALFRED REED,
*Committee.*

SECTION XXI.

SWEEPSTAKES ON FINE WOOL AND OTHER SHEEP.

*Fine wool to include Spanish and French Merinos, Saxons and their crosses.*

*Buck, having five best lambs, three entries.*

W. A. Banks, LaPorte, Indiana, premium..... 30 00

Digitized by Google

*Ewe of any age, one entry.*

Archibald Collins, Portland Mills, Putnam county, Indiana, premium..... .....$15 00

COTSWOLDS.

*Buck, having five best lambs, two entries.*

George F. Morgan, Elyria, Ohio, premium..... 30 00

*Ewe, any age, two entries.*

George F. Morgan, Elyria, Ohio, premium..... .... 15 00

LEICESTERS.

*Buck, having five best lambs, two entries.*

W. T. Marquess, Cambridge, Indiana, premium..... 30 00

*Ewe of any age, three entries.*

W. T. Marquess, Cambridge, Indiana, premium..... 15 00

SOUTHDOWNS.

*Buck having five best lambs, one entry.*

S. K. Fletcher, Indianapolis, Indiana, premium..... 30 00

*Ewe, any age.*

S. K. Fletcher, Indianapolis, Indiana, premium..... 15 00

We have examined the sheep entered in sweepstakes, and find the exhibition in all classes creditable and generally very good. We would recommend to the Board to define in future premium lists more specifically what is meant by bucks and five of his lambs, as to whether they should all be *lambs*, or whether they may be of any age, so that they are his progeny.

FIELDING BEELER,
ELISHA HOWLAND,
*Committee.*

Digitized by Google

SECTION XXII—POULTRY.

*Best pair black Spanish, ten entries.*

**W. J. Elliott, Indianapolis, Indiana, premium..... $5 00**

*Best pair Bramahs, eight entries.*

**Louis McKernan, Indianapolis, Indiana, premium.... 5 00**

*Best pair Polands, seven entries.*

**Walker & Zeublin, Pendleton, Indiana, premium..... 5 00**

*Best pair Dorkings, three entries.*

**S. C. Vance, Indianapolis, Indiana, premium..... 5 00**

*Best pair Black African Bantams, one entry.*

**S. C. Vance, Indianapolis, Indiana, premium..... 5 00**

*Best pair Silver Bantams, eight entries.*

**S. C. Vance, Indianapolis, Indiana, premium..... 5 00**

*Best pair chickens, any kind, seventeen entries.*

**Walker & Zeublin, Pendleton, Indiana, premium.... 5 00**

*Best Pair Tame Geese, four entries.*

**S. C. Vance, Indianapolis, Indiana, premium..... 5 00**

*Best Pair Wild Geese, one entry.*

**Walker & Zeublin, Pendleton, Indiana, premium..... 5 00**

*Best Pair Turkeys, six entries.*

**E. F. Norwood, Indianapolis, Indiana, premium..... 5 00**

*Best Pair Common Ducks, three entries.*

**Walker & Zeublin, Pendleton, Indiana, premium.... 5 00**

Digitized by Google

*Best Pair Muscovy Ducks, two entries.*

S. C. Vance, Indianapolis, Indiana, premium..... $5 00

*Best Pair Pea-Fowls, two entries.*

Walker & Zeublin, Pendleton, Indiana, premium..... 5 00

*Best Pair Guinea Fowls, four entries.*

Horace Wallace, Indianapolis, Indiana, premium.... 5 00

*Best Pair Game Fowls, two entries.*

Walker & Zeublin, Pendleton, Indiana, premium.... 5 00

*Collection Poultry, all kinds, four entries.*

S. C. Vance, Indianapolis, Indiana, premium..... .. 5 00

J. W. LANE,
G. W. KING,
L. F. HINCHMAN,
*Committee.*

Digitized by Google

## MECHANICAL DEPARTMENT.

WILLIAM CRIM,
BENJAMIN NORTH, } . . . . ATTENDING MEMBERS.

MACHINERY FOR WHICH NO PREMIUMS ARE OFFERED.

The State Board of Agriculture has decided to offer no premiums for Saw Mills, Reapers, Mowers, Threshers, Separators, Drag Saws and Sewing Machines, for the reason that it is not practical to have such thorough tests and examination of their merits as will be just to the exhibitor. They will, however, provide every necessary facility for their display, and propose, as an inducement to manufacturers and dealers in these articles, to appoint an examining committee composed of members of the Board, who will give each article of this kind such consideration as will enable them to report their respective merits for publication in the annual reports, except sewing machines made in Indiana.

## REPORT OF THE COMMITTEE ON THE ABOVE NAMED ARTICLES FOR WHICH NO PREMIUM IS OFFERED.

The State Board of Agriculture having decided to offer no premiums for Saw Mills, Reapers, Mowers, Threshers, Separators, Drag Saws and Sewing Machines, and having referred these articles to us as a separate division of our duties, your Committee would therefore submit this further report:

In the line of Saw Mills four entries were made, and three of the mills were operated on the ground.

Entry No. 91 is a portable Mulay Saw Mill, entered and exhibited by Chandler & Taylor, of Indianapolis. It is a reciprocating saw, running without a sash, and therefore admits of a very rapid motion. It is operated by a common ten-horse power portable engine, such as is commonly used for threshing purposes. It professes to be able, with this power,



Digitized by Google

to cut 2,000 feet of poplar lumber in ten hours. It may be taken down, removed to any desirable location and set up in a few days, and with but little labor. The machinery is simple and not liable to get out of order. Persons who own threshing engines will do well to look at this mill.

No. 139 is a large Circular Saw Mill, entered by Sinker & Davis. The workmanship is excellent, and the finish of the best quality. In this class of mills which have come into general use, the chief point in which we observe improvement is in the head-block by which the movement of a single lever sets both ends of the log with the greatest accuracy. This mill has Staley's Head Block, which appears to operate so easily and with such perfect accuracy as to leave little room for improvement.

No. 142, entry by J. R. Huffman & Bros., is a Band Saw. This consists simply of a thin steel blade about forty feet long, with teeth in one edge. This is soldered together at the ends so as to make a continuous band which runs over a pulley seven feet in diameter below the log carriage and a similar one above. These being put in motion, the saw does its cutting on the descending side of the band. The saw being very thin and the teeth much smaller than in common mill saws, the lumber is cut very smoothly and with a great saving in the breadth cut by the saw. Its capacity is hardly so great as an ordinary circular saw, but the advantage claimed for it is the saving of the timber, the smoothness of the surface and the diminished power necessary to drive it. In these respects your Committee think its claims are well founded. We timed it when running at ordinary speed, and found that it cut twenty-four feet in one minute and fifteen seconds. It will require, however, a good workman to keep it in such order as to do nice work and do it rapidly.

No. 188 is a Mulay Saw Mill with portable engine, differing in nothing essentially from entry 91, already described. It is exhibited by Gaar & Scott, Richmond, Indiana. We make the same recommendations with regard to it that we made with reference to Chandler & Taylor's mill.

Digitized by Google

The section of Mowers and Reapers we find well represented. Nine reapers and the same number of mowers are on exhibition; and twelve entries are made as combined reapers and mowers—making an aggregate of thirty harvesters. Of these there is not only a similarity but an absolute sameness in the manner of cutting. They all use McCormick's vibrating sickle, varying the shape of the teeth and the cutting edge somewhat, but in the essential parts the cutting apparatus is the same in all the machines on exhibition.

The chief modification in the reapers is in the platform for the grain and in the raking machinery.

In entries 128, 129 and 130 we have a reaper, mower and combined machine, exhibited by C. Ball & Co., Canton, Ohio, in which we observed that the running machine was so enclosed as to be entirely free from dust. This we regard as an important improvement. The chief defect in the harvesters now in use lies in the vibrating sickle. A very rapid motion is required in order that the sickle may clear itself when cutting. If the sickle bar be made so heavy as to resist the strain of large weeds or other substances harder than straw, with which it is liable to come in contact, its weight makes the reversal of its motion when moving rapidly a great strain on the machinery, as well as a great draft on the power. If by any device the sickle bar could be made to move continuously in the same direction it would remove nearly the only defect in the present harvesters. But even with this defect, the reaper and mower has wrought a wonderful change in the agriculture of all the grain growing districts of our country, and in the details of its machinery it has attained a high state of perfection.

Of Threshers and Separators there are four entries, all of which are of very crditable workmanship.

Entry No. 16, exhibited by L. D. Sherwood, of Indianapolis, presents the peculiarity of having an adjustable concave so as to accommodate the machine to different kinds of grain and different quantities of straw. The device appears to meet an important demand in the threshing machine.

Digitized by Google

. Entry No. 27, by Nicholas Sheppard & Co., Battle Creek, Michigan, presents two points of excellence worthy of note. The process of separating the straw from the chaff is by a peculiar device which the exhibitor represented as operating very perfectly in practice. It also had a greater riddle surface than is usual in separators.

Yeo & Shoemaker, of Richmond, Indiana, exhibited entry No. 118, a combined thresher and separator of very perfect workmanship and high finish.

No. 187, exhibited by Gaar and Scott, of Richmond, Indiana, has a divice for the safety of the feeder, that we think worthy of special mention. In this machine there are several improvements connected with the delivery of the grain and its measurement that will save much labor in that department.

The Threshers on exhibition are all heavy machines, intended to be operated by steam; or, if by horse-power, at least eight horses. While traveling threshers have advantages in some respects, there are other points in which they are objectionable. When we have barns of sufficient capacity to store the wheat crop at harvest, a two-horse thresher, which can be operated by two or three hands when the weather is unfit for out-door work, is a machine which will work a greater saving in more than one respect.

There are but two entries of Drag Saws on our books. No. 84, entered and exhibited by Edward Parry, of Indianapolis. is a horse-power crosscut of the common construction. It runs smoothly and cuts rapidly.

No. 93, exhibited by W. D. Wilson, of Greencastle, Indiana, has one peculiarity which your Committee deem worthy of special notice. The chief difficulty in operating a drag saw has been the necessity of cutting the timber into such lengths that the logs can be collected to one place where the saw remains stationary and the log is moved on rollers to give the length of cut desired. Mr. Wilson reversed this order. He has an extension gearing by which he moves his saw along the log until the tree is entirely cut up. His horse-power is

Digitized by Google

constructed on a sliding carriage, so that it can be readily moved from tree to tree in the woods. We regret that the arrangement of the Board precludes Mr. Wilson from some more substantial testimonial of the value of his drag saw.

Of Sewing Machines there are eight entries. With the exception of the Grover & Baker machine, they are all similar in the stitch, making the double thread lock stitch. The chief difference in the machines exhibited is in the method of producing the reciprocating motion of the needle and shuttle. In one class of machines, of which the Howe is the oldest representative, this is done on the principle of the inclined plane—by cam or slot. In another class the same result is reached by crank motion. In the first there is exposed a greater amount of friction surface, but there is more simplicity and less liability to derangement in the machinery. We observe no new device in the machines on exhibition which we deem worthy of special notice. We make special mention of entry No. 183, exhibited by J. L. Chase, Indianapolis, not because that it is in any thing superior either in its construction or operation, but because it is a first-class shuttle machine, substantially made, handsomely finished, does good work, and is sold for $40. The great obstacle to the universal introduction of the sewing machine is the exorbitant price at which they are held. The Wilson Sewing Machine, exhibited by Mr. Chase is a step in the proper direction, and a few more steps in the same direction will bring this important household machine into universal use. The sewing machine should be within reach of everybody.

R. T. Brown,
S. Fisher,
T. J. Riley,
*Committee.*

Digitized by Google

## A TRIBUTE TO GENIUS AND LABOR.

The camp has had its day of song!
The sword, the bayonet, the plume,
Have crowded out of rhyme too long
The plough, the anvil, and the loom.
O, not upon our tended fields
Are Freedom's heroes bred alone;
The training of the work-shop yields
More heroes true than War has known!

Who drives the bolt, who shapes the steel
May, with the heart as valiant, smite,
As he who sees a foeman reel
In blood before his blow of might!
The skill that conquers space and time,
That graces life, that lightens toil,
May spring from courage more sublime
Than that which makes a realm its spoil.

Let labor, then, look up and see
His craft no path of honor lacks!
The soldier's rifle yet shall be
Less honored than the woodman's axe.
Let Art his own appointments prize,
Nor deem that gold or outward height
Can compensate the worth that lies
In tastes that breed their own delight.

And may the time draw nearer still
When men this sacred truth shall heed,
That from the thought and from the will,
Must all that raises men proceed!
Though Pride should hold our calling low—
For us shall duty make it good;
And we from truth to truth shall go,
Till life and death are understood.

Digitized by Google

SECTION I—PLOWS.

*Plow for General Purposes, twenty-four entries.*

S. Horney & Company, Richmond, Indiana, premium, $25 00

*Three-Horse Plow, with best arrangement for attaching three Horses, nine entries.*

D. S. Horney, Richmond, Indiana, premium..... 15 00

*Plow for Alluvial or Muck Soil, nine entries.*

Whitley & Winters, Springfield, Ohio, premium..... 25 00

*Sod Plow, thirteen entries.*

S. Horney & Company, Richmond, Indiana, premium, 15 00

*Road Plow, eight entries.*

Oran Perry, Richmond, Indiana, premium..... 5 00

*Plow for breaking Marshes, six entries.*

Whitley & Winters, Springfield, Ohio, premium..... 15 00

*Hillside Plow, one entry.*

S. Horney & Company, Richmond, Indiana, premium, 5 00

*Display and variety of Plows, four entries.*

S. Horney & Company, Richmond, Indiana..... silver medal and 20 00

*Stubble Plow, twelve entries.*

S. Horney & Company, Richmond, Indiana, premium.. 10 00

*Steel Plow, ten entries.*

S. Horney & Company, Richmond, Indiana, premium. 10 00

*Cast Iron Plow, two entries.*

S. Horney & Company, Richmond, Indiana, premium. 10 00

Digitized by Google

*Double Plow, one entry.*

St. Joseph Manufacturing Company, Mishawaka, St. Joseph county, Indiana, premium.....$10 00

*Subsoil Plow, seven entries*

Oran Perry, Richmond, Indiana, premium..... 10 00

*Dynamometer, three entries.*

Whitley & Winters, Springfield, Ohio, premium..... 10 00

HIRAM KLUM,
THOMAS JOHNSON,
W. H. FLINT,
*Committee.*

SECTION II—THE IMPLEMENTS FOR PLANTING AND THE CULTIVATION OF CROPS.

*Two-Horse Corn Plow, nine entries.*

Thomas & Mast, Springfield, Ohio, premium..... 5 00

*One-Horse Corn Plow, thirteen entries.*

S. Horney & Company, Richmond, Indiana, premium. 5 00

*Double Shovel Plow, thirteen entries.*

Lafayette Manufactnring Company, Lafayette, Indiana, premium..... 5 00

*Single Shovel Plow, five entries.*

Oran Perry, Richmond, Indiana, premium.. ..... 2 00

*Cultavator, eleven entries.*

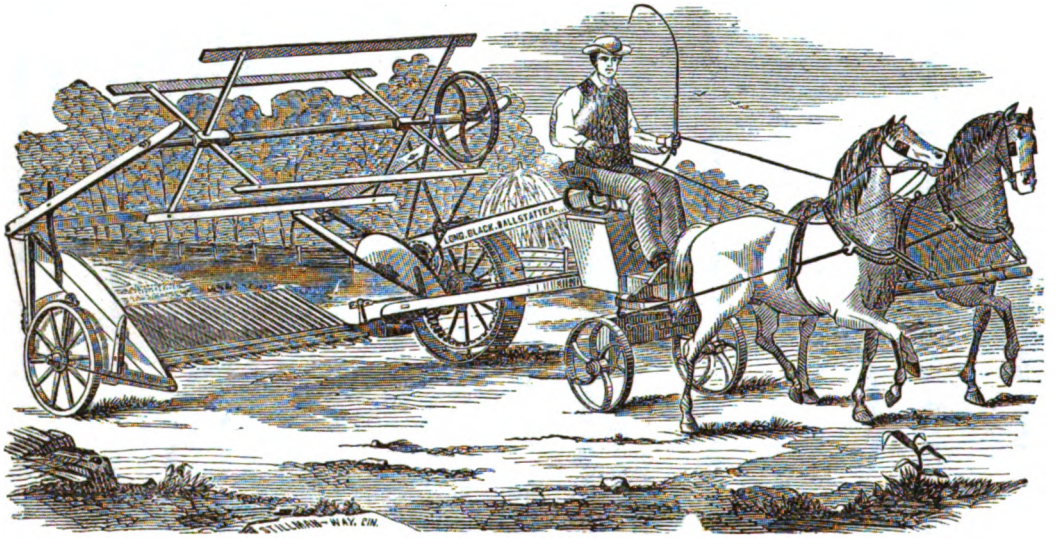
Mause, Brenneman, & Company, Dayton, Ohio, premium ..... ..... 5 00

The only real cultivator on the grounds.

*Cultivator and Seed Sower Combined, two entries.*

Hoosier Drill Company, Milton Indiana, bronze medal. ——

Digitized by Google




***THE "IRON HARVESTER" AS A DROPPER.***

MANUFACTURED AND EXHIBITED BY

**LONG, BLACK & ALSTATTER, HAMILTON, OHIO.**

Digitized by Google

Digitized by Google

*Wheat Drill, seven entries.*

Davis, Lawrence, Dublin, Indiana..premium, diploma and 10 00

Your committee report a closely contested field in this department. The ability and perfection in getting up, and the very close resemblance of the working of the machines, made it difficult to determine. The simple and quick change from strait line to zig-zag, and arrangement to throw the grass seed in front and rear, with a simple movement of conductors, without additional cost, seemed to be the noted points. The celebrated Hoosier Drill Company, and Buckeye, are worthy of every consideration.

*One-Horse Wheat Drill, five entries.*

Close competition in the five entries. Premium awarded to Hoosier drills for the superiority of its feeding arrangements and durability of machine.

*Field Roller, two entries.*

F. M. Christian, Indianapolis, Indiana, premium..... 5 00

A useful implement, but too heavy for ordinary use, and costing too much.

*Two-Horse Corn Harrow, thirteen entries.*

William Amor, Charleston, Coles county, Illinois, premium ..... 5 00

*Two-Horse Corn Planter, six entries.*

Keystone Manufacturing Company, Sterling, Illinois, premium ..... 5 00

*Potato Plow, four entries.*

S. Horney & Company, Richmond, Indiana..diploma ——

*One-Horse Corn Planter, two entries.*

W. & J. Campbell, Harrison, Indiana....silver medal ——

Digitized by Google

*Corn Drill, two entries.*

Lafayette Manufacturing Company, Lafayette, Indiana, premium.....diploma$——

*Hand Garden Cultivator, three entries.*

J. George Stilz, Indianapolis, Indiana.....diploma ——

*Best Display and greatest variety of Agricultural and Farm Implements, one entry.*

J. George Stilz, Indianapolis, Indiana....silver medal and 20 00

W. H. Broaddus,
Joseph Peacock,
George Moore,
*Committee.*

SECTION III—FARM MACHINERY.

*Horse Hay Rake, twelve entries.*

B. F. Gump & Company, Dayton, Ohio, bronze medal ——
For the great hight of wheels, and gathering more hay without discharging.

*Pitcher and Stacker, one entry.*

A. J. Nellis, Pittsburg, Pennsylvania....bronze medal ——

*Horse Hay Pitchfork, three entries.*

A. J. Nellis, Pittsburg, Pennsylvania....bronze medal ——
Best and cheapest in every respect. A superior and important article.

*Clover Seed Gatherer, three entries.*

J. George Stilz, Indianapolis, Indiana....silver medal ——

*Fanning Mill, three entries.*

H. Ogborn, Richmond, Indiana, premium..... 5 00

Digitized by Google

FARM IMPLEMENTS.

*Hand Machine for Cleaning Wheat, two entries.*

H. Ogborn, Richmond, Indiana.....diploma and $10 00

*Corn Husker, two entries.*

N. Evanger, Sanford, Indiana, premium..... 1 00

Cheap and durable, but little change from the old iron peg.

*Hand Corn Sheller, six entries.*

M. & J. Rumby, LaPorte, Indiana, premium..... 5 00

*Grass Seed Sower, three entries.*

J. George Stilz, Indianapolis, Indiana, premium..... 3 00

*Hay Rake and Loader Combined, one entry.*

Moore & Garlinghouse, North Madison, Indiana, premium.....bronze medal ——

This is certainly the best thing out, and your committee decide it a success as far as tried on the ground, and it is a complete hay rake, independent of the elevator, which is a drum with teeth so arranged as to take the hay from the rake and simply carry it by an elevator on to the load. It hooks on the hay wagon behind, and is drawn by the same team.

*Power Corn Sheller and Separator, two entries.*

Sinker & Davis, Indianapolis Indiana, premium..... 5 00

*Horse Power Potato Digger, one entry.*

Moses Johnson, Three Rivers, Michigan, diploma..... ——

*Set Tripletrees, one entry.*

J. George Stilz, Indianapolis, Indiana...bronze medal ——

*Eight-Horse Power, three entries.*

L. Q. Sherwood, Indianapolis, Indiana..bronze medal ——

Digitized by Google

*Endless Chain Power, one entry.*

J. George Stilz, Indianapolis, Indiana...bronze medal ——

*Hay Press, three entries.*

P. K. Dedrick & Company, Albany, New York..... diploma and 10 00

W. H. Broaddus,
George Moore,
Joseph Peacock,
*Committee.*

SECTION IV—MILLS, PRESSES, ETC.

*Hominy Mill, one entry.*

E. M. Coombs, Memphis, Indiana, premium..... 5 00

*Corn-Grinding Mill, two entries.*

St. Joseph Manufacturing Company, Mishawaka, St. Joseph county, Indiana, premium..... 5 00

*Smut Machine, one entry.*

R. Ward, Edinburg, Indiana.....bronze medal ——

*Cider Mill, eight entries.*

A. Holderman, New Paris, Ohio, premium..... 5 00

T. W. Tuttle,
Alfred Reel,
Moses Butterworth,
*Committee.*

SECTION V—DOMESTIC IMPLEMENTS.

*Churns, seven entries.*

C. C. Reece, Attica, Indiana, premium..... ... 5 00

*Cheese Press, three entries,*

J. George Stilz, Indianapolis, Indiana. premium..... 5 00

Digitized by Google

*Clothes Wringer, two entries.*

S. R. Barefoot, Cambridge, Indiana, premium ..... $3 00

*Apple Parer, one entry.*

J. George Stilz, Indianapolis, Indiana ..... 1 00

*Hand Loom, one entry.*

Wm. F. Hoffman, Indianapolis, Indiana..silver medal ——

*Step Ladder, one entry.*

C. P. Wilder, Indianapolis, Indiana, premium ..... 1 00

*Baby Wagon, one entry.*

Charles Myers & Co., Indianapolis, Indiana, premium 1 00

*Clothes Rack, two entries.*

Israel Hoagland, Indianapolis, Indiana, premium ... 1 00

*Washing Machine, four entries.*

S. C. Frink, Indianapolis, Indiana, premium ..... 3 00

T. W. TUTTLE,
MOSES BUTTERWORTH,
ALFRED REED,
*Committee.*

SECTION VI—ENGINES, BRICK, TILE AND DITCHING MACHINES.

*Best Stationary Engine, not less than twenty-horse power, sufficient to run the machinery at the fair, two entries.*

Eagle Machine Works, Indianapolis, Indiana.....
silver medal ——

We, the Committee, award the premium to this engine on the ground of the engine being in motion. We, therefore, had better facilities for forming an opinion. Your Committee

Digitized by Google

would state further that as far as the workmanship of *this* and Sinker & Davis' engine is concerned, they come very near on a par.

*Rotary Bloomer, one entry.*

Greenleaf Machine Works, Indianapolis, Indiana.... diploma $——

*Drain Tile Machine, six entries.*

Simeon Hawkins, Carmel, Indiana.....bronze medal ——

This machine in its construction is the cheapest machine and makes the most tile per hour with the same amount of labor; therefore, your Committee feel it a duty to award the premium accordingly.

*Ditching Machine, three entries.*

R. L. Lukens, Indianapolis, Indiana....bronze medal ——

*Brick Machine, two entries.*

J. C. McKinzie, Adrian, Michigan.....silver medal ——

*Water Wheel, five entries.*

Stillwell, Bierce & Company, Dayton, Ohio, premium, diploma

The best practical water wheel, cheapest and most durable, and the only wheel on exhibition which carries the point of perfection as regards the general obstruction of the wheel by drift during the rise of water.

*Tubular Boiler, one entry.*

Eagle Machine works, Indianapolis, Indiana, premium, bronze medal ——

*Head Block for Saw Mills, six entries.*

Eagle Machine Works, Indianapolis, Indiana, premium, bronze medal ——

Digitized by Google

The best on the ground for accuracy, durability and cheapness.

*Lime Extractor and Water Heater, two entries.*

Stillwell, Bierce & Company, Dayton, Ohio .....
bronze medal $——

WM. R. MOUNT,
G. R. DERING,
JAMES DUNN,
*Committee.*

SECTION VII—WOOD-WORKING MACHINES.

*Shingle Machine, one entry.*

Chandler & Taylor, Indianapolis, Indiana.....
bronze medal ——

*Wood-Bending Machine, one entry.*

J. Conner, Richmond, Indiana, premium..... 5 00

*Machine for Turning Logs, or Log Carriage, one entry.*

J. M. Carr, Union City, Indiana, premium, diploma..

WM. R. MOUNT,
C. R. DERING,
JAMES QUINN,
*Committee.*

SECTION VIII—COMMON FARM IMPLEMENTS.

*Wooden Pumps, two entries.*

Coffin, Deem & Co., Knightstown, Indiana, premium. 5 00
Premium awarded for cheapness and durability of same.

*Pumps of any kind for common use, five entries.*

J. G. Pierce & Co., Ft. Wayne, Indiana, premium ... 5 00

*Tube Wells, one entry.*

R. R. Rouse, Indianapolis, Indiana.....diploma and 5 00

Digitized by Google

*Ox Yoke.*

J. George Stilz, Indianapolis, Indiana, premium..... $1 00

*Hand Water Elevators, one entry.*

T. P. Wilcox, Hebron, Porter county, premium.....
diploma ——

*Bee Hive, six entries.*

Atkinson Schofield, Indianapolis, Indiana, premium...
diploma ——

*Farm Gates, one entry.*

J. B. Cotton, Dayton, Ohio, premium ..... 5 00

*Power Cutting Boxes, three entries.*

Younglove, Massey & Co., Cleveland, Ohio..diploma ——

*Hand truck, one entry.*

J. Geo. Stilz, Indianapolis, Indiana, premium.diploma ——

*Wheelbarrow, one entry.*

(Not worthy of premium.)

*Road Scraper, six entries.*

J. W. Wilson, Summerford, Ohio, premium..... 2 00

*Hand-Cutting Box, four entries.*

T. J. Young, Richmond, Indiana, premium...diploma ——

*Six Axe helves, one entry.*

A. J. Lower, Clayton, Indiana, premium..... 1 00

*Six Ox Bows, one entry.*

J. George Stilz, Indianapolis, Indiana, premium..... 1 00

WM. R. MOUNT,
G. R. DERING,
JAMES DUNN,
*Committee.*

Digitized by Google

SECTION IX—WOOD AND WILLOW WARE, ETC.

*Grain Measures, one entry.*

J. George Stilz, Indianapolis, Indiana, premium..... $2 00

*Basket, three entries.*

F. G. Adams & Company, Indianapolis, Indiana, premium..... 2 00

*half-dozen Corn Brooms, five entries.*

J. L. Newhman, Indianapolis, Indiana, premium.... 2 00

*Coopers' Ware, one entry.*

F. G. Adams & Company, Indianapolis, Indiana, premium ..... 3 00

Good substantial cedar ware.

WM. R. MOUNT,
JAMES DUNN,
G. R. DERING,
*Committee.*

SECTION X—EDGE TOOLS, WORKED MATERIAL AND HARDWARE.

*Collection of Saws, one entry.*

A. T. Sinker, Indianapolis, Indiana, premium..... silver medal ——

A large collection of most excellent saws.

*Cross-Cut Saws, one entry.*

A. T. Sinker, Indianapolis, Indiana, premium..... diploma ——

A large collection, and good quality.

*Smoothing Irons, three entries.*

Union Novelty Works, Indianapolis, Indiana, premium, 1 00



Digitized by Google

*Collection of Locks.*

G. D. Githens, Indianapolis, Indiana.....diploma $——

*Specimens of meat cutter, knife sharpener, chains, hinges, gate and shutter fastenings, etc.*

Silver & Deming, Salem, Ohio.....diploma ——

*Cooking Stoves, eight entries.*

Franklin & Kline, Indianapolis, Indiana, premium.... 10 00

*Parlor Stoves, seven entries.*

Perry & Company, Albany, New York, premium ... 5 00

*Cooking Stoves for Coal, nine entries.*

Tutewiler Bros., Indianapolis, Indiana, premium .... diploma ——

*Coal Stoves, Tin and Sheet-Iron Ware.*

G. F. Adams & Company, Indianapolis, Indiana.... premium, diploma and 10 00

*Cast Iron Fire Place and Grate, two entries.*

Franklin & Kline, Indianapolis, Indiana.....diploma ——

*Iron Railing, one entry.*

B. F. Haugh & Company, Indianapolis, Indiana..... diploma ——

*Case of Files.*

J. A. Brooks, Terre Haute, Indiana, premium..... 2 00

*Sash Supporter and Fastener, two entries.*

Delly, Hatcher & Company, Springfield, Ohio, premium ..... 1 00

*Japanned hardware, two entries.*

Union Novelty Works Manufacturing Company, Indianapolis, Indiana, premium. .. .....diploma ——

Digitized by Google

*Pair horse shoes, one entry.*

J. Kenton, Hillsboro, Clinton county, Indiana, premium $1 00

*Gate Latch and Fastening, four entries.*

William C. Young, Thorntown, Indiana, premium.... diploma ——

*Collection Bird Cages, one entry.*

Charles Myer & Company, Indianapolis, Indiana, premium.....diploma ——

*Iron Prison, one entry.*

B. F. Haugh & Company, Indianapolis, Indiana, silver medal ..... ——

*House furnace, one entry.*

G. F. Reynolds & Son, Philadelphia, Pennsylvania... silver medal ——

*Collection Reaper and Mower Knives, one entry.*

Long, Black & Alsettter, Hamilton, Ohio..silver medal ——

*Collection Coppersmiths' Ware, one entry.*

William Langsencamp, Indianapolis, Indiana...silver medal ..... ——

PROF. E. T. COX,
G. B. SIMONDS,
EDWIN MAY,
*Committee.*

SECTION XI—EVAPORATORS, SCALES, BELLS, ETC.

*Evaporator and necessary Apparatus for making Syrup and Sugar.*

Daniel B. Neal, Indianapolis, Indiana, premium..... silver medal ——

Digitized by Google

*Collection of Counter and Portable Platform Scales, two entries.*

W. P. Gallup, Indianapolis, Indiana, premium..... diploma $——

*Cattle and hog Scales, one entry.*

W. P. Gallup, Indianapolis, Indiana, premium..... diploma ——

*Church and other Bells, one entry.*

Philip Smith, Sidney, Ohio, premium..... 5 00

*Fruit Drying Apparatus, three entries.*

T. B. Carroll, Indianapolis, Indiana.....bronze medal ——

*Clothes Dryer and Iron heater combined, two entries.*

J. K. Boswell, Indianapolis, Indiana, premium..... 5 00

*Room heater, three entries.*

T. B. Carroll, Indianapolis, Indiana, premium..... diploma ——

*Apparatus for Cooking Food for Stock, one entry.*

*Portable Self-Supporting Fence, four entries.*

J. O. Smith, Riley, Ohio, premium.....diploma ——

PROF. E. T. COX,
G. B. SIMONDS,
EDWIN MAY,
*Committee.*

SECTION XII—LEATHER AND LEATHER MANUFACTURES.

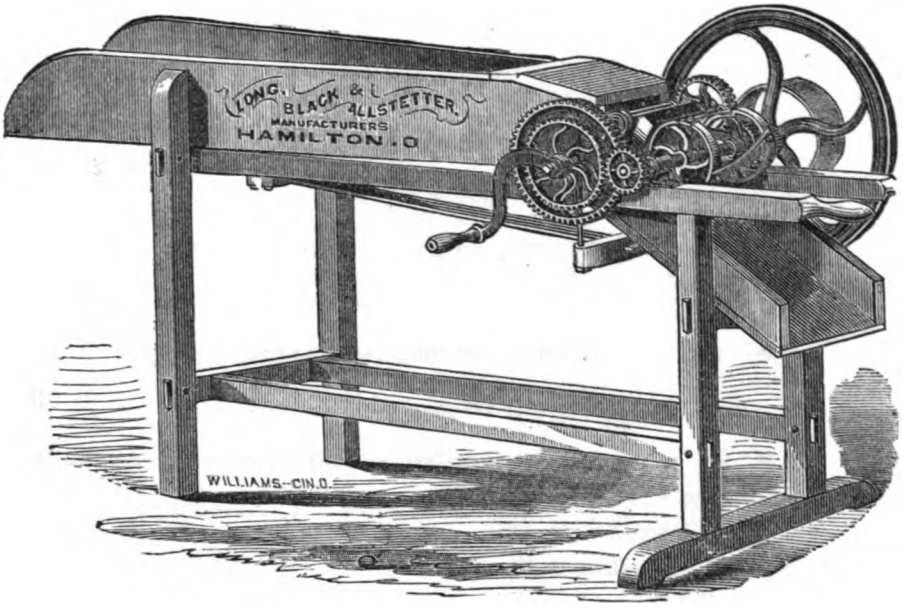
*Pair Boots, two entries.*

J. A. Stilwell, Martinsville, Indiana, premium..... 2 00

*Collection Boots and Shoes, one entry.*

H. T. Albershardt, Indianapolis, Indiana, premium.... 10 00

Digitized by Google




LONG, BLACK & ALSTATTER'S

## *HAY, STRAW and FODDER CUTTER.*

Manufactured and exhibited by LONG, BLACK & ALSTATTER,
Hamilton, Ohio.

## *BURRALL'S IRON CORN SHELLER.*

Exhibited by J. GEO. STILZ, Indianapolis.

Digitized by Google

Digitized by Google

*Trunk, four entries.*

Robinson Bros., Indianapolis, Indiana, premium..... $5 00

*Valise, two entries.*

R. L. Shilling, Indianapolis, Indiana, premium..... 5 00

*Gents' Traveling Bag, four entries.*

Robinson Bros., Indianapolis, Indiana, premium..... 5 00

PROF. E. T. COX,
G. B. SIMONDS,
EDWIN MAY,
*Committee.*

SECTION XIII—INDIANA MINERAL AND BUILDING STONE, ETC.

*Worked Marble, two entries.*

T. S. Jones & Bro., Indianapolis, Indiana, premium..
silver medal ——

*Chimney Top, two entries.*

Indiana Cement Pipe Co., Indianapolis, Indiana, premium.....diploma ——

*Half-dozen hand made Brick, one entry.*

J. C. McKenzie, Adrian, Michigan, premium..... 3 00

*Half-dozen Fire Brick, one entry.*

M. H. Wright, Brazil, Indiana, premium..... 5 00

*Indiana Coal, three entries.*

Nibloch & Merrifield, Indianapolis, Indiana.....
diploma and 10 00

A large collection and good variety of Block Coal.

*Indiana Iron Ore, one entry.*

G. B. Simonds, Indianapolis, Indiana....diploma and 10 00

Digitized by Google

*Roofing and Repairing Material, one entry.*

H. Warren Goshen, Indiana.....diploma $——

*Drain Tile, six entries.*

Indiana Cement Pipe Co., Indianapolis, Indiana, premium ..... 10 00

*Sewerage Tile, two entries.*

Indiana Cement Pipe Co., Indianapolis, Indiana, premium..... ..... ..... ... 10 00

A superior article.

*Composition Roofing, one entry.*

Henry Warren Goshen, Indiana.....bronze medal ——

*Hydraulic Cement, one entry.*

Indiana Cement Pipe Co., Indianapolis, Indiana, premium... .... ..... 2 00

E. L. Cox,
G. B. Simonds,
Edwin May,
*Committee.*

SECTION XIV—INDIANA IRON AND PAPER.

*Pig Iron, one entry.*

Garlick & Collins, Indianapolis, Indiana..silver medal ——

*All grades Pig Iron, one entry.*

Garlick & Collins, Indianapolis, Indiana...gold medal ——

A large variety of superior quality of Pig Iron.

E. F. Cox,
G. B. Simonds,
Edwin May,
*Committee.*

Digitized by Google

SECTION XV—CARRIAGES, WAGONS, ETC.

*Two-seated Carriage, ten entries.*

Shaw, Lippencott & Co., Indianapolis, Indiana, premium .... .....$40 00

*One-seated Top Buggy, four entries.*

Shaw, Lippencott & Co., Indianapolis, Indiana, premium..... ..... 25 00

*One-Seat Open Buggy, three entries.*

Fisher, Arbogast & Co., Attica, Indiana, premium.... 15 00

*Two-Seated Spring Wagon, five entries.*

Shaw, Lippencott & Co., Indianapolis, Indiana, premium..... ..... 15 00

*Sulky, two entries.*

Shaw, Lippencott & Co., Indianapolis, Indiana, premium..... 5 00

*Set Carriage Wheels, four entries.*

Woodburn & Sarven Wheel Co., Indianapolis, Indiana, premium.....diploma ——

*Carriage Couplings, two entries.*

Shaw, Lippencott & Co., Indianapolis, Indiana, premium..... ..... ..... 5 00

*Two-horse Wagons, five entries.*

Dicks Bros., Lebanon, Indiana, premium..... 20 00

*Two-horse Sleigh, one entry.*

(But no show.)

Digitized by Google

*Street Goods Wagon.*

Shaw, Lippencott & Co., Indianapolis, Indiana, premium... ..... 5 00

*Collection Carriage and Wagon Material, one entry.*

Woodburn & Sarven Wheel Co., Indianapolis, Indiana, premium..... ..... .. 10 00

*Carriage hubs, one entry.*

Woodburn Sarven Wheel Company, Indianapolis, Indiana, premium ..... 3 00

*Set Wagon Wheels, one entry.*

Woodburn Sarven Wheel Company, Indianapolis, Indiana, premium..... 3 00

*Collection Carriages, Buggies and Wagons.*

Shaw, Lippencott & Company, Indianapolis, Indiana, premium..... 30 00

*Open Buggy, without Oil, Paint or Varnish, one entry.*

Shaw, Lippencott & Company, Indianapolis, Indiana, premium..... . 10 00

D. J. MILLER,
R. M. JACKSON,
L. J. HACKNEY,
*Committee.*

SECTION XVI—FURNITURE, ETC.

*Bureau, three entries.*

Mitchell, Rammelsberg & Company, Indianapolis, Indiana, premium ..... .. ..... 5 00

*Bedstead, two entries.*

Mitchell, Rammelsberg & Company, Indianapolis, Indiana, premium ..... 5 00

Digitized by Google

*Wardrobe, two entries.*

Speigle, Thoms & Company, Indianapolis, Indiana, premium ..... 5 00

*Extension Table, two entries.*

Mitchell, Rammelsberg & Company, Indianapolis, Indiana, premium .... ..... ..... 5 00

*Sofa, two entries.*

Mitchell, Rammelsberg & Company, Indianapolis, Indiana, premium ..... 5 00

*Set Chairs, three entries.*

Mitchell, Rammelsberg & Company, Indianapolis, Indiana, premium..... 5 00

*Book Case, two entries.*

Speigle, Thoms & Company, Indianapolis, Indiana, premium ..... ..... 5 00

*School-house Furniture, two entries.*

A. H. Andrews, Chicago, Illinois, premium...diploma ——

*Mattress, two entries.*

Speigle, Thoms & Company, Indianapolis, Indiana, premium..... .....diploma ——

*Bed Bottom, one entry.*

M. Freidberger, South Bend, Indiana.....diploma ——

*Office Chairs, two entries.*

Mitchell, Rammelsberg & Company, Indianapolis, Indiana, premium ..... ..... 3 00

Digitized by Google

*Center Table, two entries.*

Mitchell, Rammelsberg & Company, Indianapolis, Indiana, premium ..... $5 00

*Writing Desk, three entries.*

Mitchell, Rammelsberg & Company, Indianapolis, Indiana, premium ..... 3 00

*Set Parlor Furniture, two entries.*

Mitchell, Rammelsberg & Company, Indianapolis, Indiana, premium ..... 20 00

*Set Office Furniture, five pieces, one entry.*

Mitchell, Rammelsberg & Company, Indianapolis, Indiana, premium ..... 10 00

*Collection Cabinet Ware, two entries.*

Mitchell, Rammelsberg & Company, Indianapolis, Indiana, premium .....silver medal ——

O. J. GLESSNER,
W. H. HUNTSMAN,
W. M. PHILLIPS,
*Committee.*

Digitized by Google

## THE OLD ARM-CHAIR.

I love it, I love it; and who shall dare
To chide me for loving that old arm chair;
I have treasured it long as a sainted prize,
I've bedewed it with tears, and embalmed it with sighs·
'Tis bound by a thousand bands to my heart:
Not a tie will break, not a link will start.
Would ye learn the spell? a mother sat there,
And a sacred thing is the old arm-chair.

In childhood's hour I lingered near.
The hallowed seat with a listening ear;
And gentle words that mother would give,
To fit me to die and teach me to live.
She told me shame would never betide,
With truth for my creed and God for my guide;
She taught me to lisp my earliest prayer,
As I knelt beside that old arm-chair.

I sat and watched her many a day,
When her eyes grew dim and her locks were gray;
And I almost worshipped her when she smiled,
And turned from her Bible to bless her child.
Years rolled on, but the last one sped—
My idol was shattered, my earth star fled;
I learned how much the heart can bear,
When I saw her die in that old arm chair.

'Tis past! 'tis past! but I gaze on it now
With quivering breath and throbbing brow;
'Twas there she nursed me, 'twas there she died;
And memory flows with a lava tide.
Say it was folly, and deem me weak,
But I love it, I love it, and cannot tear
My soul from a mother's old arm-chair.

Digitized by Google

## MUSICAL AND SCIENTIFIC INSTRUMENTS, WEARING APPAREL, ETC.

### SECTION XVII—MUSICAL INSTRUMENTS, ETC.

*Grand Piano.*

A. J. Willard & Company, Indianapolis, Indiana, premium.....silver medal and $10 00

*Upright Piano, two entries*

M. A. Stowell, Indianapolis, Indiana..silver medal and 10 00

*Square Piano, four entries.*

Indianapolis Piano Manufacturing Company, Indianapolis, Indiana.....premium, silver medal and 10 00

*Cottage Organ, without Pedal, four entries.*

H. L. Story, Chicago, Illinois, premium..bronze medal ——

*Church Organ, with Pedal, one entry.*

Benham Bros., Indianapolis, Indiana.....silver medal ——

*Portable Melodeon, one entry.*

Benham Bros., Indianapolis, Indiana, premium..... silver medal ——

*Collection Small Musical Instruments, one entry.*

Benham Bros., Indianapolis, Indiana, premium..... bronze medal ——

*Square Grand Piano (Indiana Manufacture), one entry.*

Indianapolis Piano Manufacturing Company, Indianapolis, Indiana, premium.....diploma ——

CLARK OTIS,
CHAS. A. MOFFATT,
R. A. NEWLAND,
*Committee.*

Digitized by Google

SECTION XVIII—FURS, WEARING APPAREL, ETC.

*Collection Furs, three entries.*

J. A. Seaton, Indianapolis, Indiana.....diploma and $5 00
D. Fellows, Columbus, Ohio.....diploma ——

*Men's Clothing, one entry.*

W. H. Crane, Indianapolis, Indiana, premium..diploma ——

*Chart for Cutting Garments, two entries.*

Mrs. L. L. Jackson, Indianapolis, Indiana, premium.. 1 00

This chart cuts all forms of garments, either ladies' or gents', while others entered cuts but one kind. We think it cuts more accurate and makes better fits.—[COMMITTEE.

*Printing, six entries.*

Wright & Holman, Indianapolis, Indiana, premium..
diploma ——

*Book Binding, one entry.*

Braden & Burford, Indianapolis, Indiana, premium...
diploma ——

*Case Stuffed Birds, one entry.*

J. E. Beasly, Lebanon, Indiana.....diploma and 10 00

S. P. WHARTON,
JAMES PATTERSON,
MRS. WM. A. DUNHAM,
*Committee.*

SECTION XIX—SCIENTIFIC INSTRUMENTS.

*Collection Surveyors' Instruments, no entry.*

*Thermometer, one entry.*

Browning & Sloan, Indianapolis, Indiana, premium.. 5 00

Digitized by Google

*Spectacles, one entry.*

L. W. Moses, Indianapolis, Indiana, premium..... $5 00

*Surgical Instruments, one entry.*

Browning & Sloan, Indianapolis, Indiana, premium.. 5 00

*Collection Artificial Legs and Arms, one entry.*

S. Haywood & Company, Indianapolis, Indiana, premium.....diploma ——

*Lightning Rods.*

Cleveland Lightning Rod Company, Indianapolis, Indiana, premium.....bronze medal ——

*Most Valuable Instrument for Artificial Light, one entry.*

A. F. Noble, Indianapolis, Indiana, premium.... ... silver medal ——

*Portable Gas Works, one entry.*

H. S. Vansycle, St. Louis, Missouri, premium... ...

*Case Silverware, one entry.*

W. P. Bingham & Co., Indianapolis, Indiana ..... diploma and 10 00

*Silver Plating, one entry.*

Albert Isensee, Indianapolis, Indiana.....diploma ——

J. W. Slack,
M. C. Smith,
Newton Rogers.
*Committee.*

SECTION XX—DOMESTIC MANUFACTURES OF LINEN, WOOLEN OR COTTON FACRICS MADE BY HAND.

*Ten yards Rag Carpet, eight entries.*

Mrs. Sophia Cox, Indianapolis, Indiana, premium.... 5 00

Digitized by Google

*Ten yards Wool Carpet, three entries.*

Mrs. T. M. Robinson, Greenwood, Indiana, premium. $10 00

*Double Coverlet, Woolen, four entries.*

Jane Hall, Indianapolis, Indiana, premium..... 5 00

*Double Coverlet, Cotton, five entries.*

Mrs. Sophia Cox, Indianapolis, Indiana, premium.... 5 00

*Wool Knit Stockings, five entries.*

Ann Mitchell, Martinsville, Indiana, premium..... 1 00

*Wool Socks, six entries.*

Mrs. Otho Caylor, Indianapolis, Indiana, premium... 1 00

*Wool Knit Mittens, six entries.*

A. Tomlinson, Indianapolis, Indiana, premium ..... 1 00

*Woolen Comfort, two entries.*

Mrs. Lena Recken, Indianapolis, Indiana, premium... 2 00

*One pound Woolen Yarn, three entries.*

Mrs. Moore, Rochester, Indiana, premium..... 1 00

*Foot Mats, two entries.*

Mrs. J. F. Coburn, Indianapolis, Indiana, premium... 1 00

*Ten yards Jeans, one entry.*

Mrs. Rebecca Moore, Rochester, Indiana, premium... 5 00

*Ten yards Table Linen, three entries.*

Mrs. Sophia Cox, Indianapolis, Indiana, premium.... 5 00

*Ten yards Plain Linen, two entries*

Mrs. Jane Hull, Indianapolis, Indiana, premium ..... 5 00

Digitized by Google

*Flax Thread, four entries.*

Mrs. Joseph Caylor, Indianapolis, Indiana, premium.. 2 00

*Cotton Knit Socks, three entries.*

Mrs. R. C. Schofield, Indianapolis, Indiana, premium. 1 00

*Cotton Knit Stockings, four entries.*

Mrs. Martha Good, Indianapolis, Indiana, premium.... 1 00

*Ten yards Plain Flannel, two entries.*

Mrs. Rebecca Moore, Rochester, Indiana, premium... 5 00

*Ten yards Plaid Flannel, one entry.*

Mrs. Rebecca Moore, Rochester, Indiana, premium.... 5 00

S. P. WHARTON,
JAMES PATTERSON,
MRS. WM. H. DURHAM,
*Committee.*

SECTION XXI—DOMESTIC MANUFACTURE OF LINEN, WOOLEN AND COTTON FABRICS MADE BY MACHINERY.

☞ Manufactured by the exhibitors in their manufactories in 1870.

*Ten yards Satinet, one entry.*

C. Geisendorff & Co., Indianapolis, Indiana, premium.. 5 00

*Ten yards Fulled Cloth, one entry.*

C. Geisendorff & Co., Indianapolis, Indiana, premium.. 5 00

*Ten yards Plaid Flannel, five entries.*

P. Morris & Son, Lebanon, Indiana, premium..... 5 00

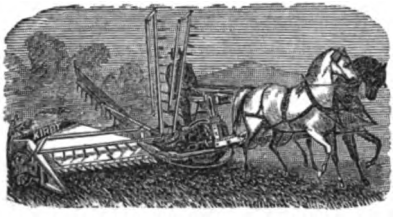
*One pound Stocking Yarn, four entries.*

C. Geisendorff & Co., Indianapolis, Indiana, premium.. 2 00

Digitized by Google

***KIRBY'S TWO-WHEELED MOWER.***

**Manufactured and Exhibited by D. M. OSBORNE & CO., Cleveland, Ohio.**



***KIRBY'S COMBINED SELF-RAKING REAPER.***

**Manufactured and Exhibted by D. M. OSBORNE & CO., Cleveland, Ohio.**

***KIRBY'S COMBINED MOWER.***

**Manufactured and Exhibited by D. M. OSBORNE & CO., Cleveland, Ohio.**

Digitized by Google

Digitized by Google

*Pair Blankets, two entries.*

C. Geisendorff & Co., Indianapolis, Indiana, premium. $5 00

*Ten yards Plain Flannel, one entry.*

C. Geisendorff & Co., Indianapolis, Indiana, premium. 5 00

*Collection Cotton and Woolen Fabrics, one entry.*

C. Geisendorff & Co., Indianapolis, Indiana.....
silver medal

*Ten yards Jeans, five entries.*

P. Morris & Son, Lebanon, Indiana, premium..... 5 00

*Jeans Warp, one entry.*

Indianapolis Cotton Manufacturing Co., Indianapolis, Indiana, premium..... 10 00

*Satinet Warp, one entry.*

Indianapolis Cotton Manufacturing, Co., Indianapolis, Indiana, premium..... 10 00

S. P. WHARTON,
JAMES PATTERSON,
MRS. WM. H. DURHAM,
*Committee.*



Digitized by Google

## SEED TIME AND HARVEST.

As o'er his furrowed fields which lie
Beneath a coldly-drooping sky—
Yet chill with winter's melted snow,
The husbandman goes forth to sow.

Thus, Freedom, on the bitter blast
The venture of thy seed we cast,
And trust to warmer sun and rain.
To swell the germ and fill the grain.

Who calls thy glorious service hard?
Who deem it not his own reward?
Who for its trials, count it less
A cause of praise and thankfulness?

It may not be our lot to wield
The sickle in the ripen field;
Nor ours to hear on summer eves,
The reapers' song among the sheaves;

Yet when our duty's task is wrought,
In unison with God's great thought,
The near and future blend in one,
And whatsoever is willed is done!

And ours the grateful service whence
Comes day by day the recompense;
The hope, the trust, the purpose stayed,
The fountain and the noon-day shade.

And were this life, the utmost span,
The only end and aim of man.
Better the toil of fields like these
Than waking dream and slothful ease.

But life, though falling like our grain,
Like that revives and springs again;
And, early called, how blessed are they
Who wait in heaven their harvest day!

Digitized by Google

## AGRICULTURAL DEPARTMENT.

STEPHEN DAVIDSON, Attending Member.

SECTION I—VEGETABLES.

*Six Heads Cabbage, three entries.*

Geo. W. Butcher, Indianapolis, Indiana, premium.... $2 00

*Three Cauliflowers, one entry.*

Geo. W. Butcher, Indianapolis, Indiana, premium.... 2 00

*Six Vegetable Eggs, one entry.*

Geo. W. Butcher, Indianapolis, Indiana, premium.... 2 00

*Six Cucumbers, eight entries.*

S. F. Taylor, New Westville, Ohio, premium..... 1 00

*Peck White Beans, seven entries.*

E. H. Harvey, Moorsville, Indiana, premium..... 2 00

*Two Quarts Lima Beans, five entries.*

J. F. Coburn, Indianapolis, Indiana, premium ..... 1 00

*Half Peck Lima Beans, in pod, six entries.*

John Marvel, Royalton, Indiana, premium ..... 2 00

*Half Peck Garden Peas, Dry, one entry.*

Geo. W. Butcher, Indianapolis, Indiana, premium.... 2 00

*Half Peck Field Peas, Dry, one entry.*

Geo. W. Butcher, Indianapolis, Indiana, premium.... 2 00

*Half Peck Peppers, for Pickling, two entries.*

Geo. W. Butcher, Indianapolis, Indiana, premium.... 2 00

Digitized by Google

*Peck Tomatoes, nine entries.*

Geo. W. Butcher, Indianapolis, Indiana, premium.... 3 00

*Collection Tomatoes, six entries.*

Geo. W. Butcher, Indianapolis, Indiana, premium.. . 5 00

*Half-dozen Ears Sweet Corn, four entries.*

J. K. English, Indianapolis, Indiana, premium..... 2 00

*Half Peck Dry Sweet Corn, five entries.*

J. K. English, Indianapolis, Indiana, premium..... 2 00

*Three Squashes, any kind, ten entries.*

William H. Hughes, Brownsburg, Indiana, premium. 2 00

*Three Yankee Pumpkins, five entries.*

John Marvel, Royalton, Indiana, premium..... 2 00

*Three Sweet Pumpkins, nine entries.*

John B. Jones, Clermont, Indiana, premium..... 2 00

*Half-dozen Nutmeg Melons, one entry.*

George W. Butcher, Indianapolis, Indiana, premium. 2 00

*Best Collection Vegetables on Exhibition.*

George W. Butcher, Indianapolis, Indiana, first premium ..... 15 00
John Marvel, Royalton, Indiana, second premium.... 7 00

*Three Drum-head Cabbage, four entries.*

George W. Butcher, Indianapolis, Indiana, premium. 2 00

*Three Flat Dutch Cabbage, two entries.*

John Baker, Indianapolis, Indiana, premium..... 2 00

Digitized by Google

*Three heads of any variety, two entries.*

George W. Butcher, Indianapolis, Indiana, premium.. $2 00

*Three Watermelons, two entries.*

George W. Butcher, Indianapolis, Indiana, premium. 2 00

N. S. Brown,
D. Buck,
James Cole,
*Committee.*

SECTION II—ROOT CROPS.

*Best half-bushel Turnips, two entries.*

Geo. W. Butcher, Indianapolis, Indiana, premium... 2 00

*Dozen Parsnips, three entries.*

Geo. W. Butcher, Indianapolis, Indiana, premium... 2 00

*Dozen Stalks Celery, three entries.*

Geo. W. Butcher, Indianapolis, Indiana, premium... 2 00

*Dozen Radishes, two entries.*

Geo. W. Butcher, Indianapolis, Indiana, premium.... 2 00

*Dozen Carrots, five entries.*

John Marvel, Royalton, Indiana, premium.. ..... 2 00

*Dozen Roots Salsify, two entries.*

John Baker, Indianapolis, Indiana, premium..... 2 00

*Dozen Roots Horse Radish, two entries.*

John Baker, Indianapolis, Indiana, premium..... 2 00

*Half Dozen Red Beets, four entries.*

Elizabeth Bowers, Indianapolis, Indiana, premium... 2 00

Digitized by Google

*Half Dozen Turnip Beets, four entries.*

Geo. W. Butcher, Indianapolis, Indiana, premium.... 2 00

*Half dozen Sugar Beets, one entry.*

Geo. W. Butcher, Indianapolis, Indiana, premium.... 2 00

*Half dozen Red Onions, four entries.*

J. B. Tillinghurst, Indianapolis, Indiana, premium.... 2 00

*Half peck Yellow Onions, two entries.*

*Half peck White Onions, two entries.*

John Baker, Indianapolis, Indiana, premium, each.... 2 00

*Dozen Turnip Radishes, one entry.*

Geo. W. Butcher, Indianapolis, Indiana, premium.... 1 00

*Dozen Long Radishes, two entries.*

John Marvel, Royalton, Indiana, premium..... 1 00

*Display Onions in Variety and Quality, three entries.*

Geo. W. Butcher, Indianapolis, Indiana, premium.... 5 00

N. S. BROWN,
LEANDER BUCK,
JAMES COLE.
*Committee.*

SECTION III—POTATOES.

*Peck Pink Peach-Blow, three entries.*

Mrs. M. J. Hough, Augusta Station, Indiana, premium 3 00

*Peck White Peach-Blow, one entry.*

John Marvel, Royalton, Indiana, premium..... 3 0

*Peck Early Rose, four entries.*

Wineberger & Ragan, Indianapolis, Indiana, premium 3 00

Digitized by Google

*Peck Prince Alberts, one entry.*

A. B. Shelledy, Danville, Indiana, premium..... ... 3 00

*Peck Early Goodrich, four entries.*

Weinberger & Ragan, Indianapolis, Indiana, premium. 3 00

*Peck Early Harrison, two entries.*

A. B. Shelledy, Danville, Indiana, premium..... ... 3 00

*Peck Pink-Eyes, two entries.*

A. B. Shelledy, Danville, Indiana, premium. ..... 3 00

*Peck Shaker Russett, four entries.*

A. B. Shelledy, Danville, Indiana, premium ..... 3 00

*Half bushel, any variety, two entries.*

Weinberger & Ragan, Indianapolis, Indiana, premium ..... ..... 5 00

*Half bushel Sweet Potatoes, eight entries.*

George W. Read, Indianapolis, Indiana, premium.... 3 00

*Ten Varieties Irish Potatoes, one Peck of each Variety, two entries.*

A. B. Shelledy, Danville, Indiana, premium..... 10 00

N. S. Brown,
Leander Buck,
James Cole,
*Committee.*

SECTION IV—GRAIN AND SEEDS.

*Display and Greatest Variety of Corn, ten entries.*

Joseph Poole, Attica, Indiana, premium..... 20 00

*Early Field Corn, any Variety, nine entries.*

A. S. Stanton, Greenwood, Indiana, premium..... 10 00

Digitized by Google

*Half bushel Yellow Corn, in Ear, twenty-two entries.*

Asher N. Miller, Indianapolis, Indiana, first premium. $10 00
J. M. Miller, Indianapolis, Indiana, second premium.. 5 00

*Half bushel White Corn, in Ear, twenty-seven entries.*

W. Fendly, Augusta, Indiana, first premium..... 10 00
Isaac Smock, Indianapolis, Indiana, second premium. 5 00

*Half bushel Corn, any Color, eighteen entries.*

W. C. Welton, Vincennes, Indiana, first premium.... 10 00
J. H. Crow, Greencastle, Indiana, second premium... 5 00

*Half bushel hominy corn, six entries.*

John B. Jones, Clermont, Indiana, premium..... 5 00

*Display and Greatest Variety of Wheat, all kinds, two entries.*

W. Dawson, Indianapolis, Indiana, premium.... ... 20 00

*Half bushel White Wheat, seven entries.*

A. Freeman, Franklin, Indiana, first premium..... 10 00
John Wyble, Franklin, Indiana, second premium..... 5 00

*One-half bushel Red Wheat, seven entries.*

Mrs. John Hough, Augusta, Indiana, first premium... 10 00
A. Freeman, Franklin, Indiana, second premium..... 5 00

*One-half bushel Spring Wheat, two entries.*

Samuel Lower, Royalton, Indiana, first premium.... 10 00
A. T. Lower, Royalton, Indiana, second premium.... 5 00

*One-half bushel Rye, three entries.*

Henry Comstock, Liberty Mills, Indiana, premium... 5 00

*One-half bushel Oats, nine entries.*

Henry Comstock, Liberty Mills, Indiana, premium... 5 00

Digitized by Google

*One-half bushel Buckwheat, three entries.*

S. F. Taylor, New Westville, Ohio, premium ..... 5 00

*One-half bushel Flax Seed, two entries.*

J. George Stilz, Indianapolis, Indiana, premium ..... 5 00

*One-half bushel Millet Seed, one entry.*

J. George Stilz, Indianapolis, Indiana, premium ..... 5 00

*One-half bushel Hemp Seed, one entry.*

J. George Stilz, Indianapolis, Indiana, premium ..... 5 00

*One-half bushel Timothy Seed, three entries.*

S. F. Taylor, New Westville, Ohio, premium ..... 5 00

*One-half bushel Orchard Grass Seed, one entry.*

J. George Stilz, Indianapolis, Indiana, premium ..... 5 00

*One-half bushel English Blue Grass Seed, one entry.*

J. George Stilz, Indianapolis, Indiana, premium ..... 5 00

*One-half bushel, one entry, Blue Grass Seed.*

J. George Stilz, Indianapolis, Indiana, premium ..... 5 00

*One-half bushel Red Top Grass Seed, one entry.*

J. George Stilz, Indianapolis, Indiana, premium ..... 5 00

*One-half bushel Red Clover Seed, two entries.*

S. F. Taylor, New Westville, Ohio, premium ..... 10 00

*Sample ten pounds Broom Corn, seven entries.*

J. W. Bradshaw, Indianapolis, Indiana, premium ..... 5 00

N. S. Brown,
Leander Buck,
*Committee.*

Digitized by Google

SECTION V—FIELD CROPS.

Exhibitors in this class must accompany their entries by a statement in writing, embracing the following facts, verified by oath or affirmation:

1. Quality of ground in which the grain grew.
2. Quality of soil, whether bottom, upland or prairie; general depth and on what based—whether gravel, sand, lime or hard, compact clay.
3. Artificial drainage, if any; how made and the cost.
4. Manures, if any used; kind and quality, when and how applied.
5. Time and manner of planting or sowing; kind of seed; where obtained and how prepared.
6. Time of breaking; depth; and, if sub-soiled, the manner of doing it; mode of tillage.
7. Cost per acre of producing crop, including seed, manure and tillage.
8. The greatest yield per acre; the average of whole crop.
9. The corn to be weighed the week before the fair, seventy pounds to the bushel.

*Acre White Wheat, one entry.*

Richard Hazelett, Greencastle, Indiana, premium.... 20 00

*Acre Corn, four entries.*

Alfred Welton, Vincennes, Indiana, premium. ..... 20 00

*One Acre Timothy, one entry.*

John Earsom, Urbana, Ohio, premium..... 10 00

*Five Acres Corn, five entries.*

Grant & Glover, Attica, Indiana, first premium.....100 00
Alfred Welton, Vincennes, Indiana, second premium. 75 00
Z. White, Lawrence, Indiana, third premium.... ... 50 00

N. S. BROWN,
LEANDER BUCK,
*Committee.*

SECTION VI—BUTTER, CHEESE, SUGAR, HONEY, BREAD, ETC.

Articles in this section made by the exhibitor. Duplicate statements filed in the Secretary's office at the time of the entry, specifying fully the

Digitized by Google

mode of the manufacture of butter, cheese, sugar, bread, cakes, etc. The judges tested the articles in different ways, and made full report of the result of their survey.

*Five Pounds Butter, made in June, six entries.*

Caroline Truxel, Brownsburg, Indiana, first premium. $10 00
Sallie Hartsock, Lawrence, Indiana, second premium. 5 00

*Five pounds Butter, made in September, twenty entries.*

Mrs. E. J. Howland, Indianapolis, Indiana, first premium ..... 10 00
Mrs. J. C. Leach, Indianapolis, Indiana, second premium ..... 5 00

*One-half gallon Maple Molasses, ten entries.*

Miles Stanton, Quakertown, Indiana, premium..... 2 00

*Five pounds honey, in comb, five entries.*

W. A. Horton, Rochester, Indiana, premium..... . 2 00

*Loaf Wheat Bread, milk or salt rising, home-made, twenty-one entries.*

Mrs. Benj. Shanks, Indianapolis, Indiana, first premium 3 00
Miss Sue Elliott, Indianapolis, Indiana, second premium ..... ..... 2 00

*Loaf Wheat Bread, Yeast Rising, home-made, eighteen entries.*

Mrs. Otho Caylor, Indianapolis, Indiana, first premium 3 00
Mrs. Ben Shanks, Indianapolis, Indiana, second preminm ..... 2 00

*Loaf Corn Bread, home-made, seventeen entries.*

Mrs. Rebecca Moore, Rochester, Indiana, premium... 2 00

*Sample Cake, home-made, seven entries.*

Miss Mary Parker, Indianapolis, Indiana, premium... 2 00

Digitized by Google

*Collection Cake, made by one Exhibitor, home-made, four entries.*

Miss Lizzie Akin, Indianapolis, Indiana, first premium $10 00
Miss T. E. McEntire, Sunny Side, Indiana, second premium ..... 5 00

*Collection Bread, made by one Exhibitor, home-made, eleven entries.*

Mrs. J. F. Coburn, Indianapolis, Indiana, first premium 10 00
Mrs. Ben Shanks, Indianapolis, Indiana, second premium ..... 5 00

*Collection Confections, two entries.*

Daggett & Company, Indianapolis, Indiana, premium 5 00

*Sample Catsup, six entries.*

Mrs. J. F. Coburn, Indianapolis, Indiana, premium... 2 00

*Best sample sorgho, or imphe sugar, not less than ten pounds, and how manufactured, two entries.*

A. L. Folger & Bro., Sumner, Indiana, premium..... 10 00

*Best sample sorgho, or imphe molasses, one gallon, and how made, seven entries.*

A. L. Folger & Bro., Sumner, Indiana, premium..... 5 00

*Barrel White Wheat Flour, three entries.*

J. Shideler, Attica, Indiana, premium ..... 5 00

*Barrel Red Wheat Flour, one entry.*

J. Shideler, Attica, Indiana, premium ..... 5 00

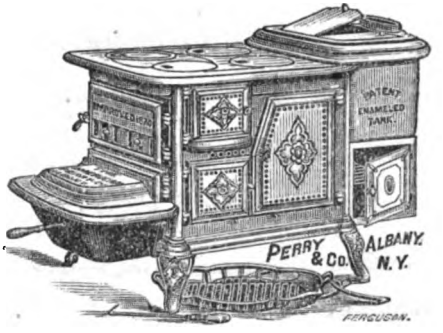
*Sack Corn Meal, two entries.*

John Marvel, Royalton, Indiana, premium..... 3 00

*Sample hominy, two entries.*

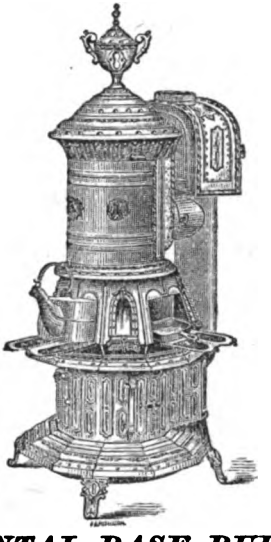
C. M. A. Hess, Edinburg, Indiana, premium..... 3 00

Digitized by Google



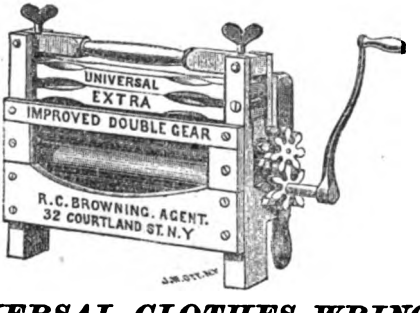

***AMERICAN COOK STOVE.***

**Manufactured by PERRY & CO., Albany, N. Y.**
**Exhibited by TUTEWILER BROS., Indianapolis.**



***ORIENTAL BASE BURNER.***

**Manufactured by PERRY & CO., Albany, N. Y.**
**Exhibited by TUTEWILER BROS., Indianapolis.**




***UNIVERSAL CLOTHES WRINGER.***

**R. C. BROWNING, Agent, 32 Courtland street, New York.**

Digitized by Google

Digitized by Google

*Sample Gritts, one entry.*

J. L. Tiner, Edinburg, Indiana, premium..... $3 00

*Loaf Corn Pone, nine entries.*

William Matkin, Greencastle, Indiana, premium.... 2 00

J. W. VANLANDINGHAM,
MRS. R. MOORE,
MRS. W. C. DANALDSON,
*Committee.*

SECTION VII—ESSAYS.

*Best Essay on Feeding, Raising and Management of Hogs.*

Geo. F. Dunn, Marion, Indiana, premium..... 25 00

*Best Essay on Planting and Cultivation of Corn.*

Joseph Poole, Attica, Indiana, premium ..... 25 00

Digitized by Google

Digitized by Google

# PRIZE ESSAY

ON THE

# FEEDING, RAISING AND MANAGEMENT OF HOGS.

BY GEORGE F. DUNN.

In the first place, to breed good hogs successfully we should have a perfect sire and dam—perfect in every respect, both in make and blood; that is to say, they should be thoroughbred of some good breed, as graded stock will always, more or less, breed back, and it is impossible to tell whether you will have good, bad or indifferent. You should always select the best pigs to breed from. They should have good length, with small heads and neck, thin ears, short in the shoulders back to the middling or sides, deep from the back down, short legs and strong bones. The sides or middlings should be well spread out from the back-bone, so as to give the lungs free play. They should be thick through the region of the heart, long from the shoulder back to the ham; the ham should be thick and long from the back to the coupling; they should be square behind, straight on the back, with a nice smooth coat of hair.

## BREEDING.

The sows should be bred from the tenth to the twentieth of November, as this will bring your pigs from the first to the twentieth of March; then by careful feeding you can have good hogs by the first of January following. You should always have a warm shed or house for your sow to have pigs in

Digitized by Google

if you intend them to come in March, to protect them from the cold storms that we are subject to in this latitude. The sow should not have too much litter at a time, as they are more apt to "overlay" them. Make fresh beds every few days. The sows should not be too fat when bred, but kept rather in a thriving condition during pregnancy. When the pigs come, the sow should not be distnrbed, and fed but little, for a few days. After they are clear of fever then you should feed all she will eat up clear. The best feed is a little corn, but the most of her feed should be ground or steamed, or both, as it will cause her to give more milk. Ground corn (not cob and corn), but the clear corn, is the best, given to them about as thick as yon would mix it to bake into bread. Always feed sweet food a little warm in cold weather, but cold in warm weather. The pigs should have a separate trough in a pen as soon as they will eat, and then given all they will eat, and feed regularly, as near the same time each day as possible, and never less than three times, and better five times a day. Always feed your hogs while the weather is warm, as it takes less food to keep up animal heat, and the more strength of your food goes to flesh making. Feed all the milk and offal about the kitchen to your pigs, as it is a great bone-making quality, and thereby gives room for flesh and fat. Give your sows and pigs a good blue grass pasture, as it is the best pasture for sows and pigs. As to letting pigs run in clover, they are apt to get sore ears. They should have access to plenty of good spring or running water. As soon as you get your grain in you can turn your pigs to the stubble-field, but don't quit feeding, as it takes too much labor for your pigs to get feed enough to keep growing, as they should be picking up a little at a time. As soon as the fields are gleaned, you should then feed all they will eat until butchering time. Pigs you intend to winter over should come the last of May or the first of June, and by the time your stubble is ready, they will be ready for it, and you have no risk to run from bad weather. You should always keep your pigs growing, whether you intend to kill them in the fall or winter them over, as every day you keep a hog, and it don't gain

Digitized by Google

any thing, you are losing both time and feed. You should always have a good shed for your stock hogs to lie under during the winter season, and it is better to have it laid with a good plank floor, as the ground is apt to sweat them and cause them to take cold. In the spring, when you turn your pigs to clover, feed twice a day for about two weeks, gradually diminishing the feed. Then feed once a day during the balance of the summer on ground corn meal made into thick dough. Feed in the evening, and the hog will lie down and be quiet till morning, and thereby get the strength of the feed, and in the morning, being a little hungry, they will go to clover, and be no more bother until evening. You should feed at least once a week some bran and ashes, with a little salt in them. I tell my neighbors, if they want good pigs, to show them to all that comes, and never show without feeding them a little. My advice is never breed from a boar too young, or too old, if you want good healthy pigs. I think that fully three-fourths of all the pigs in the country are from boars from six to nine months old, mere pigs. This is contrary to the laws of breeding. I am of the opinion this is the most fruitful source of epidemics, such as cholera. The constitution is weakened from generation to generation, till they can not resist ill treatment. The above is not the result of mere speculation, but the result of near thirty years' experience.

MARION, GRANT COUNTY, INDIANA.



Digitized by Google

Digitized by Google

# PRIZE ESSAY.

ON THE

# PLANTING AND CULTIVATION OF CORN.

BY J. POOLE.

Corn is a native of America, and was found growing here in a native state at the time this continent was discovered by Christopher Columbus. It is usually designated from other cereals by the name of maize, and not unfrequently called Indian corn, from the fact that when it was first discovered the country was inhabited by Indians. It is a grain of the very first importance to the people of the United States, and may be considered of equal if not of more value than any other product of the country. For the purpose of producing pork and beef it has no equal, and is more generally used by the middle or poorer class of people than any other cereal raised in the United States. It is a luxuriant and fast grower, and for the purpose of raising it in its greatest perfection, it requires a rich, warm, loamy, alluvial soil, with plenty of moisture. Land is seldom found too rich for corn. For the purpose of raising corn your land should be plowed deep and thorough. The plowing should be commenced in the spring as soon as the frost is out, or as early as the ground is in a proper condition to plow. The plowing should never be less than five inches deep and be all the better if plowed twice that depth. When plowedthat deep, the product might not be so large the first year, but would increase the crop and improve the land in future cultivation. The land should be thoroughly plowed; every inch should be deeply and nicely turned. For the purpose of raising a good crop or obtaining the full product of your labor, the greatest care should be

Digitized by Google

taken in turning your plow at the corners or at the ends of the lands, or when your plow may strike a stone, grub or any other obstruction, and not an inch of land that can possibly be plowed should be neglected. Strips or small patches of land left, by laziness or a little neglect, hard and unplowed, can never properly receive the roots of the corn or produce a fair crop. It will require the same amount, or more cultivation and expense, and produce about half a crop of grain. When thoroughly plowed, the ground should be furrowed, or marked off, three and a half or four feet one way, and then furrowed about the same distance the other, and planted. The seed should be selected with the greatest care. The largest and most perfect ears should be obtained, and great care should be taken to see that it is perfectly sound. The cob should be small, and the grains deep and solid, and the heart of each grain should present a lively, light yellowish appearance The imperfect and small grains should all be shelled off the small end of the ear, and the remainder used for seed. Too much corn can not be taken to be certain that every grain will grow, and that you have the very best breed of corn. A little neglect in selecting seed may give you a bad stand, force you to do much replanting, or plant the entire crop over again. You may be quite late; early frost may come, and you may lose a large portion of the crop. Your corn should be planted, usually in this State, from the first to the twentieth of May, This might depend very much on the advancement of the season and the condition of your ground. Probably from the tenth to the twentieth of May is the most reliable time in this climate, but rather plant when your ground is wet and clammy, wait until the first of June. It is injurious to disturb or work the land in that condition, and a full crop will never be produced. The land should be moist, well pulverized, and the corn should be dropped not more than four grains in a hill, and covered from one to four inches deep, with good loose dirt. No clods or trash should be left on the hills. If the ground is dry, a roller passed over the hills, so as to press the earth on the corn, will do much good, and make your corn come up regular and grow much better. As

Digitized by Google

soon as you are done planting, or if you have teams sufficient while planting is going on, harrow your ground well before the corn comes up. It kills many weeds, pulverizes and leaves your ground in good condition for plowing, and gives you the start of the grass and weeds. When done harrowing, take good double shovel plows and run through your corn, once in a row, the crooked way. By the time this is done the corn is sufficiently high to throw the dirt to it in the row. For this purpose plow twice in a row the other way—gently and carefully—pushing the pulverized earth to the young corn in the row, being careful to leave none covered up. If there are any weeds in the hills, or your corn is too thick, pull the weeds and thin out at once. Then plow again, twice in a row. By this time your corn is full waist high, and in nice condition. Now plow again, the straight way, for the fourth and last time, and your corn is well cultivated, in good condition, and if you do not raise a good crop it will be no fault of yours. Do not plow too close to your corn the last plowing, so as to cut or injure the large, or leave them exposed, but give the corn a good, thorough plowing, throwing the dirt towards the rows so as to cover up the young weeds and grass, and leave the ground level and clean. From the time you plow your ground, or plant your corn, as a general thing, never wait an hour on your crop, but cultivate early and constant. Early and perfect cultivation is invaluable to a corn crop, and a little neglect, bad cultivation, or carelessness, in the early part of the season, by permitting your corn to become weedy and foul, or the ground to become baked hard or bound, may, and will, injure and stunt your corn to such an extent that no future care or cultivation will make a full crop. Early, constant and complete cultivation, immediately after the corn is planted, can not be too highly recommended, and the failure to raise good crops of corn is attributable to a neglect of this character oftener than to any other cause.

ATTICA, FOUNTAIN COUNTY, INDIANA.

Digitized by Google

Digitized by Google

# STATEMENT.

## ONE ACRE WHITE WHEAT.

PREMIUM, $20

GREEN CASTLE, PUTNAM COUNTY, Indiana, October 1, 1870.

STATEMENT ACCOMPANYING ENTRY NO. 1, ON FIELD CROPS, FOR BEST ACRE WHITE WHEAT.

1st. This wheat was sown on an old blue grass sod, broke up in June, 1869; broke from six to eight inches deep; harrowed twice before sowing the wheat and once afterward.

2d. The ground is first-rate up-land; depth of soil, twelve to fifteen inches of limestone base.

3d. No artificial drainage. No manure of any kind.

5th. Wheat sown broad-cast, by hand. Two bushels of seed per acre. Sown on the 14th of September, 1869. Harrowed over once after the seed was sown. Kind of wheat sown is what is commonly called "Michigan White Wheat." Seed raised by myself the previous year. The only preparation of seed was to thoroughly screen it.

6th. Ground broke in June, 1869; six to eight inches deep; not subsoiled. Harrowed twice between the time of breaking ground and sowing the wheat and once afterward.

7th. Cost per acre of producing crop, including seed, harvesting, threshing, &c., $13 62.

8th. Creates a yield per acre of 36 39–60 bushels. Value of crop, $40 81.

Digitized by Google

CROP DR.

| | |
|---|---|
| To hand and team, plowing one-half day ..... | $2 00 |
| To hand and team, harrowing one-half day.... | 2 00 |
| To hands and machine, harvesting..... | 2 00 |
| To threshing by machine..... | 3 12 |
| To six hands attending machine, stacking straw, etc., for one hour.... .. ..... | 1 50 |
| To marketing the wheat from the machine, one hand and team two hours ..... | 1 00 |
| To two bushels seed wheat..... ..... | 2 00 |
| Total cost per acre ..... | $13 62 |

CROP CR.

| | | |
|---|---|---|
| By 36 39-60 bu. wheat at $1.25 per bu..... | $45 81 | |
| Value of straw..... .... | 4 00 | |
| Entire yield..... ..... | | $49 81 |
| Total cost..... | | 13 62 |
| Entire profit..... | | $36 19 |

This includes the use of the ground, which, I suppose, ordinarily would rent for $6 per acre, which beiug substracted from $36 19 would leave a clear profit of $30 19.

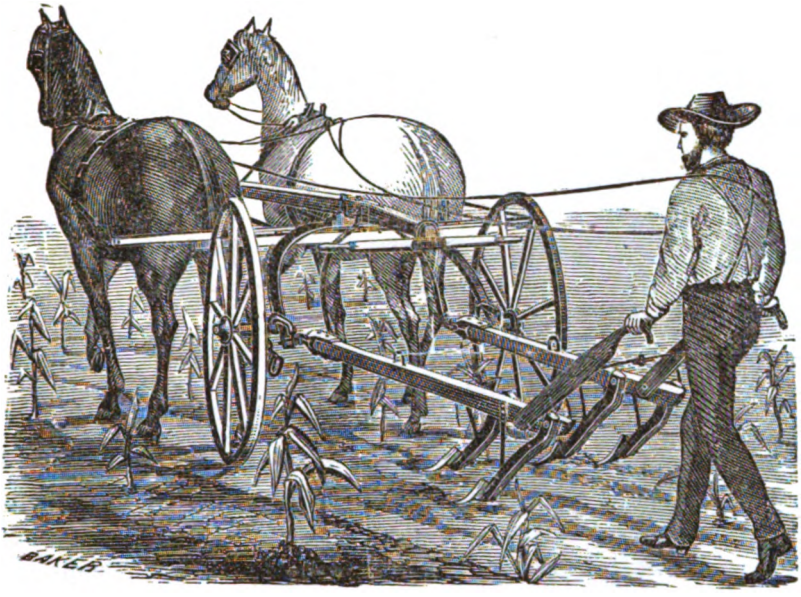
This statement is accompanied by a fair sample of the wheat so raised, marked "Entry No. —; one-half bushel white wheat."

R. M. HAZELETT.

Subscribed and sworn to before me, John Burnside, Justice of the Peace, this first day of October, 1870.

JOHN BURNSIDE,
*Justice.*

Digitized by Google

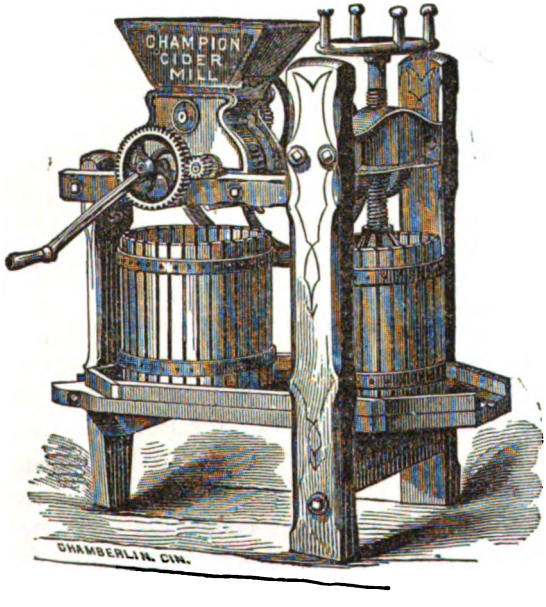


**FURST & BRADLEY'S**

## *TWO-HORSE WALKING CULTIVATOR,*

**WITH WHEELS.**

**Exhibited by H. J. PRIER, Indianapolis.**




## CHAMPION CIDER MILL.

**Manufactured and exhibited by FERRELL, LUDLOW & RODGERS, Springfield, Ohio. CASE & PARKER, Agents, Indianapolis.**

Digitized by Google

Digitized by Google

# FIRST PREMIUM.

## FIVE ACRES CORN, $100.

### STATEMENT.

This corn was planted and raised in the Wabash River bottom, in Fountain county, near the city of Attica. The land is generally overflowed, at least once a year, and is a rich, black alluvial soil of a warm nature, with a little mixture of sand. The corn was planted in drills, not quite three and one-half feet apart, running north and south, and thinned, so as to stand about eight inches apart in the row. It was planted on the 16th day of May, and when about four inches high, about four acres of it was sprinkled with a mixture of about twelve bushels of leached ashes and eight bushels of ground plaster. We had no more plaster or ashes, and the corn was not so good on the one as on the four acres, being quite a difference, but we did not ascretain the true amount. The corn was plowed twice in a row with a double shovel plow, and shortly after thinned so as to leave it standing about eight inches apart. About the 20th of June it was plowed again with double shovel plows, twice in a row, and the dirt thrown to the corn and left in nice order. About the 1st day of July it was again plowed, twice in a row, with single shovel plow, quite deep and close to the corn, and laid by in that condition. The season was rather dry, and at one time the corn suffered severely. There was plenty of time for every ear of corn to perfect and mature before gathering, and no frost has made its appearance that would do vegetation the least injury up to the present date. Had we planted a larger kind of corn, used plaster and ashes on it all, given it another good, thorough plowing, and the season had been a little more wet, the crop would undoubtedly have been much larger. No other manure or fertilizer of any kind was used on the

Digitized by Google

corn. It grew rapidly, standing on an average of about two stalks for every eight inches in the rows, and nearly every stalk had a good average ear on it, well matured.

The expense of seed, raising, gathering and marketing the corn, and the price it would bring in market when gathered, were as follows, viz:

| | | |
|---|---|---|
| Breaking ground | $7 50 | |
| Rolling ground | 2 00 | |
| Plowing corn, each time $3 | 15 00 | |
| Thinning corn | 3 75 | |
| Gathering corn | 39 15 | |
| Hauling to market | 23 49 | |
| | | $91 89 |
| 703 bushels, worth in market when gathered 35 cents per bushel | | 246 05 |
| Leaving a profit, less than rent of ground, of | | $154 16 |

JAMES GLOVER,
JOHN A. GRANT.

STATE OF INDIANA, }
FOUNTAIN COUNTY, } *ss.*

Levi P. Coffman, of county and State aforesaid, being duly sworn, says he is a surveyor; that he surveyed, with chain and compass, the land upon which John A. Grant and James Glover raised a crop of corn the past season; that the land is one contiguous piece, and the quantity is five acres and no more.

LEVI COFFMAN,
*Surveyor.*

Sworn to before me this 3d day of October, 1870.

MUNSON M. MILFORD,
*Notary Public.*

STATE OF INDIANA, }
FOUNTAIN COUNTY, } *ss.*

John A. Grant and James Glover, of county and State aforesaid, being duly sworn, say that they raised a crop of corn the past season upon the land surveyed by Levi F. Coff-

Digitized by Google

man, and that the quantity of grain grown thereon was seven hundred and three and 6–10 bushels, determined by the actual weight at the rate of seventy pounds to the bushel, and that they were assisted in harvesting and measuring by Ferdinand Lomme; that the statement annexed, subscribed by these deponents as to the manner of cultivation, expense, etc., is in all respects true to the best of their knowledge and belief, and that the sample of grain exhibited is a fair average sample of the whole crop.

Sworn to before me this 3d day of October, A. D., 1870.

JOHN A. GRANT.
JAMES GLOVER.

MUNSON M. MILFORD,
*Notary Public.*

STATE OF INDIANA, }
FOUNTAIN COUNTY, } *ss.*

Ferdinand Lomme, being duly sworn, says, under oath, that he assisted John A. Grant and James Glover in harvesting, getting out and measuring their crop of grain referred to in the above affidavits, and that the quantity of grain was seven hundred and three and 6–10 bushels according to measurement, and was grown upon said ground as stated in the affidavits of John A. Grant and James Glover.

Sworn to before me this 1st day of October, A. D. 1870.

F. B. LOMME.

MUNSON M. MILFORD,
*Notary Public.*

Digitized by Google

Digitized by Google

# SECOND PREMIUM.

## FIVE ACRES CORN, $75.

STATEMENT, ETC.

STATE OF INDIANA, } ss.
KNOX COUNTY, }

James E. Baker, being duly sworn, says he is a Surveyor; that he surveyed with chain and compass the land upon which Alfred Welton raised a crop of corn the past season; that the land is one contiguous piece, and the quantity is five acres and no more.

JAMES E. BAKER,
*Surveyor.*

Sworn to before me, this 29th day of September, 1870.

SAMUEL A. KONKADE,
*Justice.*

STATE OF INDIANA, } SCT.
KNOX COUNTY, }

Alfred Welton, being duly sworn, says that he raised a crop of corn the past season upon the land surveyed by James E. Baker, and that the quantity of grain grown thereon was six hundred bushels, determined by actual weight, at the rate of seventy pounds to the bushel; that he was assisted in harvesting and measuring by Thomas L. Carroll; that the statement annexed, subscribed by this deponent, as to the manner of cultivation, expense, etc., is in all respects true to the best of his knowledge and belief, and that the sample of grain exhibited is a fair average sample of the whole crop.

ALFRED WELTON.

Digitized by Google

Digitized by Google

# THIRD PREMIUM.

## FIVE ACRES CORN, $50.

### STATEMENT, ETC.

LAWRENCE, Indiana, October 1, 1870.

Five acres corn, raised by Zacheus White, Lawrence, Marion county, Indiana.

Kind of soil—black loam, fifteen to twenty-four inches deep, based on compact clay.

Ditching—Eighteen rods timber, at cost of fifty cents per rod. No manure used.

### COST OF RAISING.

| | |
|---|---|
| Two days plowing, at $2 50 per day | $ 5 00 |
| Two days harrowing and furrowing, at $3 50 per day, | 7 00 |
| Four days planting, at $1 per day | 4 00 |
| Four days in tillage, at $1 25 per day | 5 00 |
| Cost of seed | 1 00 |
| Cost of gathering and marketing | 25 00 |
| Total | $47 00 |

Average yield per acre, one hundred and two and a half bushels.

MARION COUNTY, *ss.*

Oliver W. Voorhis, being duly sworn, says he is a Surveyor; that he surveyed, with chain and compass, the land upon which Zacheus White raised a crop of corn the past



Digitized by Google

season; that the land is one contiguous piece, and the quantity is five acres and no more. O. W. VOORHIS,
*County Surveyor.*

Sworn to before me, this first day of October, 1870.
THOMAS M. ELLIOTT,
*Justice.*

MARION COUNTY, *ss.*

Zacheus White, being duly sworn, says that he raised a crop of corn the past season upon the land surveyed by Oliver W. Voorhis, and that the quantity of corn grown thereon was at the rate of one hnndred and two and a half bushels per acre, determined by actual weight of one-eighth of one acre, and that he was assisted in harvesting and weighing by Alonzo Sargent; that the statement by this deponent as to the manner of cultivation, expense, etc., is in all respects true, to the best of his knowledge and belief, and that the sample of corn exhibited is a fair average sample of the whole crop. ZACHEUS WHITE.

Sworn to before me, this first day of October, 1870.
THOMAS M. ELLIOTT,
*Justice.*

MARION COUNTY, *ss.*

Alonzo Sargent, being duly sworn, says that he assisted Zacheus White in harvesting, getting out, and measuring, his crop of corn referred to in the above affidavits, and that the quantity of corn was one hundred and two bushels and a half per acre, and was grown upon said ground, as stated in the affidavit. ALONZO SARGENT.

Sworn to before me, this first day of October, 1870.
THOMAS M. ELLIOTT,
*Justice.*

Digitized by Google

Digitized by Google

# PRIZE ESSAY.

ON THE

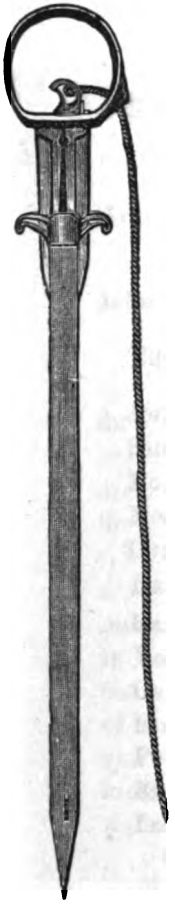
## MANNER OF MAKING THE BUTTER MADE IN JUNE.

PREMIUM, $10.

Great care is taken to cleanse and thoroughly seald all pails, pans, churn, and utensils, used about the milk or butter, that no traces of the acidity, arising from the sour milk are left, to cause the milk to become sour before the cream shall be sufficiently raised, and the cream is churned as soon as it becomes sour enough to thicken, in a measure, and after it is well worked, the greatest part of the butter-milk being out, it is salted with good table salt, with white sugar added, at the rate of two spoonfuls to eight ounces of salt; one ounce of the mixture to each pound of butter, and after twelve to twenty-four hours it is re-worked as long as there appears any milk in it, packed in a stone jar, and placed upon the bottom of a cool cellar, and covered with a strong pickle made from a good quality of salt.

MRS. P. HOWLAND.

Digitized by Google



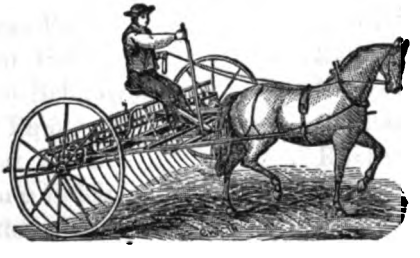
IMPROVED

DAYTON SULKY HORSE RAKE,

Manufactured by B. F. GUMP & CO., Dayton, Ohio.
CASE & PARKER, Agents, Indianapolis.

## *HARPOON HORSE HAY FORK.*

Manufactured by ROGERS & NELLIS, Pittsburg, Pa.
Exhibited by CASE & PARKER, Indianapolis.



## HORSE HAY RAKE.

Manufactured by B. C. TAYLOR, Dayton, Ohio.

Digitized by Google

Digitized by Google

## HORTICULTURAL DEPARTMENT.

J. C. SHOEMAKER, ATTENDING MEMBER.

SECTION VIII—FRUIT—AMATEURS' LIST.

*Twenty-five Varieties of Apples, three entries.*

John C. Shoemaker, Cannelton, Indiana, premium ...$15 00

The following is the list:

Jonathan,
Summer Queen,
Roxbury Russett,
Northern Spy,
Green Newtown Pippin,
Rambo Janet,
Baldwin,
Vandevere Pippin,
Cooper,
English Golden Russett,
Pennock,
King of Tompkins County,
Large Striped Winter Pearmain.
Yellow Bellflower,
Rambo,
Moore's Sweeting,
Smith's Cider,
Broadwell,
Pryor's Red,
Roman Beauty,
Campfield,
Ben Davis, or N. Y. Pippin,
Hay's Nine,
Milan,
White Pippin.

*Twenty Varieties of Apples, three entries.*

Mrs. A. Wallace, Indianapolis, Indiana, premium....$10 00

The following is the list:

Jenitan Fall,
Tyner Fall,
Green Bellflower,
Fall Pippin,
Tyner White,
Yellow Bellfiower,
Northern Spy,
Jersey Sweet,
Kane's Spitzenberger,
Vandevere,
Winter Greening,
Roxberry Russett,
Pryor's Red,
Rambo,

Digitized by Google

| | |
|---|---|
| Sweet Pippin, | Mammoth Pippin, |
| Michigan Black, | Maiden's Blush, |
| White Winter Pearmain, | Flora. |

*Twelve Varieties Apples, six entries.*

P. Howland & Sons, Indianapolis, Indiana, premium.. $8 00

The following is the list:

| | |
|---|---|
| Roxberry, | Daniel, |
| Moore's Sweet, | Newtown Pippin, |
| Janetain, | Rome Beauty, |
| English Russet, | Baldwin, |
| French's Sweet, | Spy, |
| Rambo, | Hoop. |

*Six Varieties Apples, five entries.*

J. C. Shoemaker, Cannelton, Indiana, premium..... 4 00

The following is the list:

| | |
|---|---|
| Ben Davis, | Rome Beauty, |
| Johnathan, | Yellow Belleflower, |
| Roxberry Russett, | Wine Sap. |

*Fifteen Varieties Winter Apples, four entries*

J. C. Shoemaker, Cannelton, Indiana, premium..... 10 00

The following is the list:

| | |
|---|---|
| Rome Beauty, | Ben Davis, |
| Smith's Cider, | Johnathan, |
| Gilpin, | Baldwin, |
| Yellow N. Pippin, | Moore's Sweeting, |
| Green N. Pippin, | Campfield, |
| Prior's Red, | Wine Sap, |
| Rowles' Janet, | Yellow Belleflower, |
| Penn. Vandiver. | |

Digitized by Google

*Five Varieties Fall Apples, three entries.*

P. Howland & Sons, Indianapolis, Indiana, premium. $5 00

The following is the list:

| | |
|---|---|
| Maiden's Blush, | Frenche's Sweet, |
| Rambo, | Jersey Sweet, |
| Fall Pippin. | |

*Fifteen Varieties Pears in Succession, two entries.*

P. Howland & Sons, Indianapolis, Indiana, premium. 15 00

The following is the list:

| | |
|---|---|
| Seckel | Louie Bonne D' Jersey, |
| Beurre Diel, | Beurre Bose, |
| Urbanist, | Beurre D' Cumberg, |
| Vicar, | Sheldon, |
| Onondaga, | Duchess, |
| Dix, | Tilton, |
| Lawrence, | Esther Beurre, |
| Maria Lonisa, | Gilton. |

*Ten Varieties Autumn Pears in succession, two entries.*

P. Howland & Sons, Indianapolis, Indiana, premium. 10 00

The following is the list:

| | |
|---|---|
| Seckle, | Sheldon, |
| Beurre Diell, | Beurre Bose, |
| Duchess, | Maria Louisa, |
| Louise Bonne D'Jersey, | Onondaga, |
| Beurre D'Arenburg, | Dix. |

*Five Varieties Pears, Winter, in succession.*

Mrs. A. Wallace, Indianapolis, Indiana, premium.... 5 00

PEACHES.

*Five Varieties Peaches, two entries.*

W. H. Latham, Indianapolis, Indiana, premium..... 5 00

List not furnished.

Digitized by Google

*Three Varieties Peaches, one entry.*

Mrs. A. Wallace, Indianapolis, Indiana, premium.... $3 00

*One Variety Peaches, four entries.*

Bill Lemmons, Indianapolis, Indiana, premium..... 2 00

GRAPES, GROWN IN OPEN AIR.

*Five Varieties Grapes, one entry.*

Mrs. A. Wallace, Indianapolis, Indiana, premium.... 5 00

*Three Varieties Grapes, one entry.*

Mrs. A. Wallace, Indianapolis, Indiana, premium.... 3 00

*Five Cluster Grapes, any kind, three entries.*

John Shellenberger, Indianapolis, Indiana, premium.. 3 00

*Collection Grapes, one entry.*

Mrs. A. Wallace, Indianapolis, Indiana, premium.... diploma and 10 00

The following is the list:

Muscadine,
Herbamont Seedling,
Newton Seedling,
Isabella,
Delaware,
Charter Oak,
Franklin,
York Maderia,
Catawba,
Clinton,
Sweet Water.
Hartford Prolific,
Iona,
Adriona,
Diana Western,
Rebecca,
Ives' Seedling,
Concord,
Ohio Seedling,
New Seedling,
White Grape,

Digitized by Google

QUINCES.

*Best Show of Quinces, six entries.*

P. Howland & Sons, Indianapolis, Indiana, premium. $5 00

A. FURNAS, Danville, Ind.
S. W. PEARSON, Plainfield, Ind.
W. PATRICK, Terre Haute, Ind.
*Committee.*

SECTION IX—PROFESSIONAL OR NURSERYMEN'S LIST—APPLES.

*Twenty-five Varieties Apples, four entries.*

DeGroff, Wilson & Co., Ft. Wayne, Indiana, premium diploma 15 00

*Twenty Varieties Apples, three entries.*

F. M. Polk, Cannelton, Indiana, premium....diploma 10 00

*Twelve Varieties Apples, four entries.*

M. L. Dunlap, Champaign, Illinois, premium diploma. 10 00

*Six Varieties Apples, four entries.*

DeGroff, Melson & Co., Ft. Wayne, Indiana, premium diploma 4 00

*Fifteen Varieties Winter Apples, four entries.*

Geo. W. Merott, Smootsdale, Indiana, premium ..... diploma 10 00

*Five Varieties Fall Apples, three entries.*

DeGroff, Nelson & Co., Ft. Wayne, Indiana ..... diploma and 5 00

*Fifteen Varieties Pears, in Succession, one entry.*

Wineberger & Ragan, Indianapolis, Indiana.... ... diploma and .10 00

Digitized by Google

*Ten Varieties Autumn Pears.*

Weinberger & Ragan, Indianapolis, Indiana..... diploma and $10 00

*Four Varieties Winter Pears, one entry.*

Weinberger & Ragan, Indianapolis, Indiana..... diploma and 5 00

*Collection of Grapes, one entry.*

Weinberger & Ragan, Indianapolis, Indiana..... diploma and 10 00

*Five Varieties Grapes, one entry.*

Weinberger & Ragan, Indianapolis, Indiana..... diploma and 5 00

*Three Varieties Grapes, one entry.*

Weinberger & Ragan, Indianapolis, Indiana..... diploma and 2 00

*One Variety Grapes, three entries.*

A. J. Markley, Cherry Grove, Ohio.....diploma and 2 00

*Dozen Quinces, one entry.*

Weinberger & Ragan, Indianapolis, Indiana..... diploma and 2 00

GEORGE NEBEKER,
JOHN H. WARDER,
C. FLETCHER,
*Committee.*

SECTION X—STAR (*) LIST.

*Best Five Varieties of Winter Apples, most profitable for commercial purposes in Northern Indiana, two entries.*

M. L. Dunlap, Champaign, Illinois, premium..... 5 00

Digitized by Google

*Best Five Fall and Ten Winter Varieties for Family Use and for Market in Northern Indiana, one entry.*

DeGroff, Nelson & Co., Ft. Wayne, Indiana, premium $15 00

*Best Five Varieties of Winter Apples, most profitable for commercial purposes in Central Indiana, two entries.*

Jesse White, Plainfield, Indiana, premium ..... 5 00

*Best Five Varieties of Winter Apples, most profitable for commercial purposes in Southern Indiana, one entry.*

J. C. Shoemaker, Cannelton, Indiana, premium..... 5 00

*Best Five Fall and Ten Winter Varieties for Family Use and for Market in Southern Indian, one entry.*

J. C. Shoemaker, Cannelton, Indiana, premium..... 15 00

*Display of Apples, State at Large, two entries.*

DeGroff, Nelson & Co., Ft. Wayne, Indiana, premium 20 00

*Display of Pears, State at large, one entry.*

Weinberger & Ragan, Indianapolis, Indiana, premium 15 00

*Display Grapes, State at large, one entry.*

Weinberger & Ragan, Indianapolis, Indiana, premium 10 00

GEORGE NEBEKER,
JOHN H. WARDER,
C. FLETCHER,
*Committee.*

SECTION XI—SPECIAL PREMIUMS.

*Best display of Fruits of all kinds from any County, District, or Local Horticultural Society.*

One entry by Mrs. A. Wallace, Indianapolis, Indiana, but not being an entry from a society, the committee are unable to make an award.

Digitized by Google

*Aquarium and Fixtures, three entries.*

Mrs. D. M. Taylor, Indianapolis, Indiana, first premium ..... $10 00
Union Novelty Works Manufacturing Company, Indianapolis, Indiana, second premium ..... 5 00

*Collection Nursery Stock, two entries.*

John F. Hill, Indianapolis, Indiana, first premium .... 20 00

WINE.

*Best display of Wine, made in Indiana, one entry.*

Mrs. E. Francis, Indianapolis, Indiana, premium ..... 15 00

*Blackberry Wine, one entry.*

A. Freeman, Franklin, Indiana ..... diploma ——

GEORGE NEBEKER,
JOHN A. WARDER,
C. FLETCHER,
*Committee.*

SECTION XII—FLOWERS.

AMATEUR'S LIST.

*Best Collection of Green-House Plants, not including plants for bedding out.*

A. Wallace, Indianapolis, Indiana, first premium .... 15 00
Mrs. D. M. Taylor, Indianapolis, Indiana, second premium ..... 10 00

*Collection Dahlias, four entries.*

Emma Fletcher, Spencer, Indiana, first premium ..... 5 00
Mrs. P. Howland, Indianapolis, Indiana, second premium ..... 2 00

*Collection Bedding Plants, two entries.*

Mrs. D. M. Taylor, Indianapolis, Indiana, first premium ..... 8 00

Digitized by Google

Mrs. A. Wallace, Indianapolis, Indiana, second premium..... $4 00

*Basket Fresh Cut Flowers, four entries.*

Otto Fisher, Indianapolis, Indiana, first premium.... 3 00
Mrs. D. M. Taylor, Indianapolis, Indiana, second premium..... 2 00

*Best Boquet, round, four entries.*

Mrs. Dr. Lathan, Indianapolis, Indiana, first premium 3 00
Mrs. D. M. Taylor, Indianapolis, Indiana, second premium..... 2 00

*Best Boquet, flat, four entries.*

Mrs. D. M. Taylor, Indianapolis, Indiana, first premium..... 3 00
Otto Fisher, Indianapolis, Indiana, second premium.. 2 00

PROFESSIONAL LIST.

Exclusively for nurserymen and dealers in green-house plants.

*Best Collection of Green House Plants, not including plants for bedding out, one entry.*

John F. Hill, Indianapolis, Indiana, premium, diploma and 15 00

*Twenty-five Varieties Dahlias, one entry.*

John F. Hill, Indianapolis, Indiana, premium, diploma and 5 00

*Collection Bedding Plants, in bloom, one entry.*

John F. Hill, Indianapolis, Indiana.....diploma and 5 00

*Basket fresh Cut Flowers, one entry.*

John F. Hill, Indianapolis, Indiana, premium..... 3 00

Digitized by Google

*Basket Fresh-cut Roses, one entry.*

John F. Hill, Indianapolis, Indiana, premium..... $3 00

*Boquet, Round, two entries.*

Mrs. Dr. Rogers, Greencastle, Indiana, premium..... 3 00

*Boquet, Flat, two entries.*

John F. Hill, Indianapolis, Indiana, premium..... 3 00

*Boquet Mantel, two entries.*

John F. Hill, Indianapolis, Indiana, premium..... 3 00

*Collection Camelias, one entry.*

John F. Hill, Indianapolis, Indiana, premium..... 5 00

*Collection Parlor Blooming Plants, one entry.*

John F. Hill, Indianapolis, Indiana, premium.diploma 5 00

*Collection Varigated Leaved Plants.*

John F. Hill, Indianapolis, Indiana, premium..... 5 00

*Best Arrangement of Plants for Exhibition, one entry.*

John F. Hill, Indianapolis, Indiana, premium..... 15 00

SECTION XIII—JELLIES, PRESERVES, PICKLES AND CANNED FRUITS.

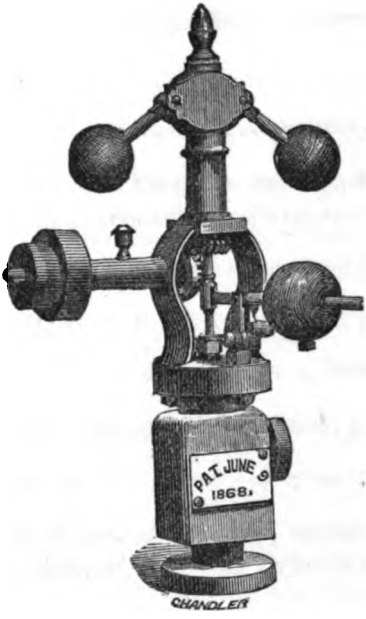
*Collection Jellies, made by exhibitor, five entries.*

Mrs. John Herriott, Indianapolis, Indiana, first premium 5 00
Mrs. Ben Shanks, Indianapolis, Indiana, second premium..... 3 00

*Collection Preserves, three entries.*

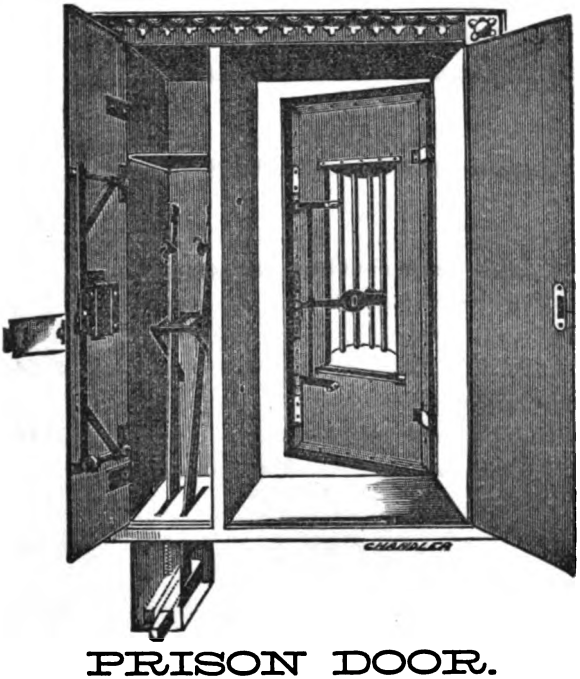
Mrs. John Herriott, Franklin, Indiana, first premium.. 5 00
Miss Addie Ferguson, Indianapolis, Indiana, second

Digitized by Google




***BELLIS' IMPROVEMENT IN ENGINE GOVERNORS.***

**Manufactured and exhibited by SINKER & DAVIS, Indianapolis.**




## PRISON DOOR.

**Manufactured and exhibited by B. F. HAUGH & CO., Indianapolis.**

Digitized by Google

Digitized by Google

premium..... 3 00

*Collection Fruit Butter, three entries.*

Mrs. John Herriott, Franklin, Indiana, first premium.. 5 00
Wm. Matkin, Greencastle, Indiana, second premium.. 3 00

*Collection Pickles, one entry.*

Mrs. John Herriott, Franklin, Indiana, premium..... 5 00

*Collection Dried Fruits, three entries.*

J. K. Boswell, Indianapolis, Indiana, premium..... 3 00

*Collection Canned Fruit, made by one exhibitor, two entries.*

Mrs. G. M. Freeman, Franklin, Indiana, first premium 10 00
Mrs. John Herriott, Franklin, Indiana, second premium 5 00

*Collection of Jellies, Preserves, Butter, Pickles and Canned Fruits, by one exhibitor, three entries.*

Mrs. John Herriott, Franklin, Indiana, first premium.. 15 00

MRS. ALEX. HERRON,
MISS LOU POOLE,
DR. G. M. LEVETTE,
*Committee.*

Digitized by Google

## MY OWN PLACE.

Whoever I am, wherever my lot,
Whatever I happen to be,
Contentment and duty shall hallow the spot,
That Providence ordains for me!
Not covetous, striving and straining to gain,
One feverish step in advance—
I know my own place, and you tempt me in vain,
To hazard a change and a chance.

I care for no riches that are not my right,
No honor that is not my due;
But stand in my station by day or by night,
The will of my Master to do;
He lent me my lot, be it humble or high,
And set me my business here;
And whether I live in his service, or die,
My heart shall be found in my sphere.

If wealthy, I stand as the steward of my king,
If poor, as the friend of my Lord;
If feeble, my prayers and my praises I bring;
If stalwart, my pen or my sword;
If wisdom be mine, I will cherish his gift,
If simpleness, bask in his love;
If sorrow, his hope shall my spirit uplift;
If joy, I will throne it above.

The good that it pleases my God to bestow,
I gratefully gather and prize;
The evil—it can be no evil, I know,
But only a good in disguise;
And whether my duty be lowly or great,
No duty can ever be mean—
The factory cripple is fixed in his fate,
As well as a king or a queen.

For duty's bright livery glorifies all
With brotherhood equal and free.
Obeying, as children, the heavenly call,
That places us where we should be.
A servant—the badge of my servitude shines
As a jewel invested by heaven;
A monarch—remember that justice assigns
Much service where so much is given.

Digitized by Google

Away, then, with "helpings" that humble and harm,
  Though "betterings" trips from your tongue!
Away! for your folly would scatter the charm
  That around my proud poverty hung;
I felt that I stood like a man at my post,
  Though peril and hardship were there—
And all that your wisdom would counsel me most,
  Is—"Leave it—do better elsewhere."

If "better" were better indeed, and not "worse,"
  I might go ahead with the rest,
But many a gain and a joy is a curse,
  And many a grief for the best!
No! duties are all the "advantage" I use:
  I pine not for praise or for help,
As to ambition, I care not to choose
  My better or worse for myself.

I will not, I dare not, I can not!—I stand
  Where God has ordained me to be—
An honest mechanic—or lord in the land—
  He fitted my calling for me:
Whatever my state, be it weak, be it strong,
  With honor or sweat on my face,
This, this is my glory, my strength, and my song—
  I stand, like a star, in my place.



Digitized by Google

## MISCELLANEOUS DEPARTMENT.

GEO. A. BUSKIRK, Attending Member.

SECTION I—EMBROIDERY, WORSTED, ETC.

*Best specimen Cotton Embroidery, nine entries.*

Katie T. Ryan, Indianapolis, Indiana, first premium.. 3 00
Lucy A. Doty, Indianapolis, Indiana, second premium 2 00

*Specimen Ornamental Needle Work, eight entries.*

Miss Emma Glardon, Aurora, Indiana, first premium. 3 00
Miss Tony Leitz, Indianapolis, Indiana, second premium.. ..... 2 00

*Child's Embroidered Dress, two entries.*

Mrs. Samuel Taylor, Indianapolis, Indiana, first premium..... 3 00
Mrs. G. M. Ballard, Indianapolis, Indiana, second premium . ..... 2 00

*Specimen Tatting, nine entries.*

Miss Lizzie Brown, Indianapolis, Indiana, first premium ..... 3 00
Miss E. J. Morse, Indianapolis, Indiana, second premium .... ..... 2 00

*Fancy Chair Tidy, twenty-nine entries.*

Miss Ella Lupton, Indianapolis, Indiana, first premium 2 00
Mrs. A. Bird, Indianapolis, Indiana, second premium. 1 00

*Pin Cushion, fifteen entries.*

Emma Glardon, Aurora, Indiana, first premium..... 1 00

*Specimen Silk Embroidery, six entries.*

Mrs. George H. West, Indianapolis, Indiana, first premium..... 2 00

Digitized by Google

Mrs. Samuel Taylor, Indianapolis, Indiana, second premium ..... $1 00

*Specimen Ornamental Bead Work, twelve entries.*

Mrs. A. A. Barnes, Indianapolis, Indiana, first premium ..... 2 00
Mrs. George H. Wess, Indianapolis, Indiana, second premium ..... 1 00

*Toilet Set of Matts, Worsted or Cotton, twelve entries.*

Miss Lizzie Brown, Indianapolis, Indiana, first premium ..... 2 00
Miss Lizzie Patterson, Indianapolis, Indiana, second premium ..... 1 00

*Best and most beautifully wrought Under Garment, nine entries.*

Miss Carrie Tyler, Indianapolis, Indiana, first premium 3 00
Mrs. A. W. Poller, Martinsville, Indiana, second premium ..... 1 00

*Tucked Skirt, eight entries.*

Miss Pheobe Brown, Indianapolis, Indiana, first premium ..... 2 00
Mrs. M. A. Shafer, Indianapolis, Indiana, second premium ..... 1 00

*Specimen Cotton Embroidery, five entries.*

Miss Kate N. White, Indianapolis, Indiana, first premium ..... 2 00
Mrs. Lina Recker, Indianapolis, Indiana, second premium ..... 1 00

In Miscellaneous Hall we find things in good order, and in Fine Art Hall very badly arranged, with but few Articles.—[COMMITTEE.

W. H. DURHAM, Crawfordsville, Indiana,
MRS JULIA BOWMAN, Edinburg, Indiana,
MISS ANNA BINES, Ridge Farm, Illinois,
*Committee.*

Digitized by Google

SECTION II—TAPESTRY, SHEEL WORK, ETC.

*Best piece Tapestry Work, eight entries.*

Mrs. Edwin F. May, Indianapolis, Indiana, first premium ..... $2 00
Miss Flora Kahn, Indianapolis, Indiana, second premium ..... 1 00

*Ottoman Cover, five entries.*

Mrs. D. I. McPeak, Indianapolis, Indiana, first premium ..... 2 00
Mrs. Samuel Taylor, Indianapolis, Indiana, second premium ..... 1 00

*Fancy Worked Chair Cover, one entry.*

Mrs. E. J. Shartle, Indianapolis, Indiana, premium.... 2 00

*Sofa Cushion, eight entries.*

Amelia B. Abrams, Indianapolis, Indiana, first premium ..... 2 00
Mrs. D. I. McPeak, Indianapolis, Indiana, second premium ..... 1 00

*Fancy Worsted Work, seventeen entries.*

Mrs. J. O. Cole, Peru, Indiana, first premium .... . 3 00
Mrs. G. Hurd, Indianapolis, Indiana, second premium. 1 00

*Ornamental Hair Work, nine entries.*

Miss Cady Ringsdorf, Indianapolis, Indiana, first premium ..... 3 00
Miss A. Hilton, Indianapolis, Indiana, second premium 1 00

*Pair Braided Slippers, one entry.*

Miss Tony Leitz, Indianapolis, Indiana, premium.... 2 00

*Yoke and Sleeves, six entries.*

Mrs. N. Noble, Indianapolis, Indiana, first premium... 3 00

Digitized by Google

Mrs. A. Manning, Indianapolis, Indiana, second premium ..... 2 00

*Fancy Work Basket, one entry.*

Miss Lou Watkins, Greencastle, Indiana, premium.. 2 00

*Specimen Ornamental Shell Work, twelve entries.*

Miss Lizzie Marquiss, Indianapolis, Indiana, first premium ..... 3 00

Mrs. E. G. Barrett, Indianapolis, Indiana, second premium ..... 2 00

*Crochet Shawl, five entries.*

Mrs. William Sherald, Indianapolis, Indiana, first premium ..... 3 00

Miss Nannie Smith, Acton, Indiana, second premium 2 00

*Crochet Opera Hood, four entries.*

A. Neubacher, Indianapolis, Indiana, first premium... 2 00

Miss L. Massee, Indianapolis, Indiana, second premium 1 00

*Carriage Afghan, five entries.*

Mrs. E. J. Shartle, Indianapolis, Indiana, first premium 3 00

Mrs. E. J. Tarlton, Indianapolis, Indiana, second premium .. ..... 2 00

*Baby Carriage Afghan, eleven entries.*

Mrs. J. T. McCauley, Indianapolis, Indiana, first premium ..... 2 00

Mrs. F. M. Brown, Indianapolis, Indiana, second premium .... ..... 1 00

*Neatest Darned Stocking, six entries.*

Mrs. M. A. Dane, Indianapolis, Indiana, first premium 2 00

Mrs. Ann Jackson, Indianapolis, Indiana, second premium ..... ..... 1 00

Digitized by Google

*Hearth Rug, six entries.*

Mrs. L. A. Harding, Indianapolis, Indiana, first premium..... 2 00
Mrs. Dr. Rogers, Greencastle, Indiana, second premium..... 1 00

We find things so badly arranged and classed off in Fine Art Hall that we failed to find many articles. In Miscellaneous Hall we meet with little trouble.

W. H. DURHAM,
MISS ANNIE M. BAINES,
MRS. JULIA BOWMAN,
*Committee.*

SECTION III—MILLINERY, ETC.

*Silk Bonnet, two entries.*

Mrs. M. Detrick, Indianapolis, Indiana, premium..... 5 00

*Velvet Bonnet, four entries.*

Mrs. M. Detrick, Indianapolis, Indiana, premium..... 5 00

*Straw Bonnet, one entry.*

Mrs. M. Detrick, Indianapolis, Indiana, premium..... 3 00

*Calico Dress, seven entries.*

Mrs. Otho Caylor, Indianapolis, Indiana, first premium 3 00
Miss Emma Glardon, Aurora, Indiana, second premium 2 00

*Silk Dress, one entry.*

Mrs. Lina Recker, Indianapolis, Indiana, premium... 5 00

*Satin Dress, one entry.*

Mrs. Lina Recker, Indianapolis, Indiana, premium... 5 00

*Woolen Dress, any Goods.*

Mrs. D. I. McPeak, Indianapolis, Indiana, first premium 5 00

Digitized by Google

Mrs. M. M. Day, Indianapolis, Indiana, second premium $3 00

*Display Millinery.*

Mrs. M. Detrick, Indianapolis, Indiana, premium..... 10 00

*Child's Sack, eight entries.*

Miss Maggie Mansfield, Indianapolis, Indiana, first premium..... 2 00

Miss Ella Lupton, Indianapolis, Indiana, second premium..... 1 00

*Child's Cap, two entries.*

Mrs. M. Detrick, Indianapolis, Indiana, premium..... 1 00

*Child's Apron, one entry.*

Lizzie Walpole, Indianapolis, Indiana, premium..... 1 00

*Lady's Cap, one entry.*

Mrs. M. Ditrick, Indianapolis, Indiana, premium..... 2 00

*Shirt, five entries.*

Mrs. A. W. Montague, Acton, Indiana, premium..... 2 00

Miss Mary Hitchens, Indianapolis, Indiana, premium. 1 00

*Specimen Artificial Flowers, four entries.*

Mrs. M. Detrick, Indianapolis, Indiana, first premium. 3 00

Mrs. George W. West, Indianapolis, Indiana, second premium..... 2 00

*Specimen Wax Flowers, fifteen entries.*

Mrs. H. Brothers, Cincinnati, Ohio, first premium.... 3 00

Mrs. M. J. Clingersmith, Indianapolis, Indiana, second premium..... 2 00

*Group Artificial Flowers, three entries.*

Mrs. M. Detrick, Indianapolis, Indiana, first premium. 5 00

Mrs. Geo. H. West, Indianapolis, Indiana, second premium..... 3 00

*Specimen Feather Cloth Goods, two entries.*

Mrs. A. A. Condit, Indianapolis, Indiana, first premium 5 00

Digitized by Google

Mrs. Anna Chapen, Indianapolis, Indina, second premium..... 3 00

*Lady's Hat, five entries.*

Mrs. M. Detrick, Indianapolis, Indiana, first premium. 3 00
Mrs. A. A. Condit, Indianapolis, Indiana, second premium..... 2 00

MRS. J. POOLE,
MISS LOU POOLE,
G. M. LEVITTE,
*Committee.*

SECTION IV—QUILTS, ETC.

*Worsted Quilt, thirteen entries.*

Mrs. N. W. Montague, Acton, Indiana, first premium. $6 00
Mrs. Otho Caylor, Indianapolis, Indiana, second premium..... 3 00

*Patchwork Quilt, eighteen entries.*

Jennie Clawson, Indianapolis, Indiana, first premium. 6 00
Mrs. Nancy Davis, Indianapolis, Indiana, second premium..... 3 00

*White Quilt, six entries.*

Mrs. Wm. Hall, Terre Haute, Indiana, first premium. 6 00
Mrs. N. W. Montague, Acton, Indiana, second premium..... 3 00

*Silk Quilt, eleven entries.*

Miss Orvilla Booth, Logansport, Indiana, first premium 6 00
Mrs. J. M. Caldwell, Indianapolis, Indiana, second premium..... 3 00

*Counterpane, ten entries.*

Mrs. A. A. Condit, Indianapolis, Indiana, first premium 6 00
Mrs. L. L. Patterson, Indianapolis, Indiana, second premium..... 3 00

Digitized by Google

*Knit Quilt, two entries.*

Mrs. L. A. Lambert, Indianapolis, Indiana, first premium..... 6 00
Mrs. N. W. Montague, Acton, Indiana, second premium ..... 3 00

*Bed Comforter, three entries.*

Mrs. H. Hilker, Indianapolis, Indiana, first premium.. $6 00
Mrs. A. B. Condit, Indianapolis, Indiana, second premium..... 3 00

G. M. LEVETTE,
MRS. RICHARDSON,
MISS. LOU A. POOLE,
*Committee.*

---

## FINE ART DEPARTMENT.

I. D. G. NELSON, Attending Member.

SECTION V—PICTURE FRAMES, ENGRAVINGS, WRITINGS, ETC.

*Best Collection Mirrors, one entry.*

H. Leiber & Company, Indianapolis, Indiana, premium 10 00

*Collection Steel Engravings, five entries.*

D. H. Horner, Indianapolis, Indiana, premium..... 3 00

*Collection Plain and Ornamental Penmanship, one entry.*

A. L. Southard, Indianapolis, Indiana, premium..... 5 00

*Collection Card Writing, one entry.*

A. L. Southard, Indianapolis, Indiana, premium..... 2 00

*Collection Business Writing, one entry.*

A. L. Southard, Indianapolis, Indiana, premium.... 2 00

Digitized by Google

*Collection Off-Hand Writing, one entry.*

A. L. Southard, Indianapolis, Indiana, premium..... 2 00

*Collection Shell Work, any kind, six entries.*

Mrs. Martin Igoe, Indianapolis, Indiana, premium.... 5 00

*Agricultural Wreath, eight entries.*

Mrs. R. S. Haskins, Indianapolis, Indiana, premium...$3 00

*Ornamental Picture Frame, any kind, six entries.*

H. Leiber & Company, Indianapolis, Indiana, first premium..... 3 00

Mrs. S. A. Akin, Indianapolis, Indiana, second premium ..... 2 00

J. H. WILSON,
A. B. JONES,
MATTIE L. EVANS,
*Committee.*

SECTION VI—PAINTING, DRAWING, ETC.

AMATEUR'S LIST.

*Best Specimen Landscape Painting, in Oil.*

Mrs. C. M. Hilliard, Madison, Indiana, premium..... 5 00

*Fancy Painting, in Oil, four entries.*

Mrs. C. M. Hilliard, Madison, Indiana, premium..... 5 00

*Animal Painting, one entry.*

Miss Addie C. Thomas, Indianapolis, Indiana, premium..... 5 00

*Fruit Painting, one entry.*

Mrs. Ingraham, Indianapolis, Indiana, premium..... 5 00

*Flower Painting, one entry.*

Miss L. A. Akin, Indianapolis, Indiana, premium. ... 5 00

Digitized by Google

## *BUCKEYE CIDER MILL.*

**Manufactured by THOMAS & MAST, Springfield, Ohio.**
**Exhibited by J. GEO. STILZ, Indianapolis.**

Digitized by Google

Digitized by Google

*Crayon Drawing, six entries.*

F. K. Rowley, Indianapolis, Indiana, premium..... 5 00

*Pencil Drawing, four entries.*

Mrs. Ingraham, Indianapolis, Indiana, premium..... $5 00

*Pen Drawing, three entries.*

Mrs. G. N. Lowe, Indianapolis, Indiana, premium... 5 00

*Letter Painting, one entry.*

Ryan & Kennedy, Indianapolis, Indiana, premium... 5 00

*Velvet Painting, one entry.*

Miss Annie Young, Indianapolis, Indiana, premium.. 3 00

J. H. WILSON, LaPorte, Indiana,
MISS MATTIE L. EVANS, Crawfordsville, Indiana,
A. B. JONES, New Harmony, Indiana,
*Committee.*

SECTION VII—PROFESSIONAL LIST.

*Original Landscape, in Oil, six entries.*

H. Leiber & Company, Indianapolis, Indiana, premium 20 00

*Animal Painting, in Oil, three entries.*

W. H. Hilliard, Madison, Indiana, premium..... 10 00

*Fancy Painting, in Oil, four entries.*

W. H. Hilliard, Madison, Indiana, premium..... 5 00

*Fruit Painting, two entries.*

Wm. G. Castell, Indianapolis, Indiana, premium..... 5 00

*Fancy Painting, Pastelle or Dry Colors, three entries.*

H. Leiber & Company, Indianapolis, Indiana, premium 3 00

*Portrait in Oil, without aid of Photography, two entries.*

Miss Maggie Rudisell, Ladoga, Indiana..silver medal ——

Digitized by Google

*Sign Painting, four entries.*

Ryan & Kennedy, Indianapolis, Indiana, premium ... $5 00

*Photograph Portrait in Oil, three entries.*

J. W. Winder, Cincinnati, Ohio, premium .... ..... 10 00

*Plain Card Photograph, two entries.*

D. R. Clark, Indianapolis, Indiana, premium ..... 5 00

*Collection Plain Card Photographs, two entries.*

J. W. Winder, Cincinnati, Ohio, premium . ..... 10 00

*Plain 4–4 Photograph, or Larger, one entry.*

D. R. Clark, Indianapolis, Indiana, premium..... 5 00

*Collection Plain 4–4 Photographs, or Larger, one entry.*

D. R. Clark, Indianapolis, Indiana, premium..... 10 00

*Group, not less than Three Figures, 4–4 or Larger, two entries.*

C. B. Ingraham, Indianapolis, Indiana, premium..... 5 00

*Card Photograph, Water Colors, one entry.*

C. B. Ingraham, Indianapolis, Indiana, premium..... 5 00

*4–4 or Larger Photograph, Water Colors, three entries.*

D. R. Clark, Indianapolis, Indiana, premium..... 10 00

*4–4 or Larger Photograph, India Ink, two entries.*

D. R. Clark, Indianapolis, Indiana, premium ..... 10 00

*11–14 Photographic View, two entries.*

D. R. Clark, Indianapolis, Indiana, premium..... 10 00

*Pen Drawing, three entries.*

E. A. Hall, Logansport, Indiana, premium..... 5 00

Digitized by Google

*Collection Pen Drawing, one entry.*

A. L. Southard, Indianapolis, Indiana, premium..... $5 00

*Drawing of Machinery, two entries.*

J. G. Lightford, Indianapolis, Indiana, premium..... 5 00

*Specimen Sculpture, two entries.*

T. S. James & Bro., Indianapolis, Indiana, premium.. silver medal

*Specimen Transfer Painting, one entry.*

Doney & Bro., Knightstown, Indiana, premium..... 3 00

J. A. WILSON,
A. B. JONES,
MATTIE L. EVANS,
*Committee.*

SECTION VIII—CHEMICALS—(INDIANA MANFUACTURE).

*Varnish, one entry.*

F. A. Boyd, Indianapolis, Indiana, premium..... 3 00

*Copal Varnish, one entry.*

F. A. Boyd, Indianapolis, Indiana, premium..... 2 00

*Linseed Oil, one entry.*

F. A. Boyd, Indianapolis, Indiana, premium..... 3 00

*White Lead, one entry.*

F. A. Boyd, Indianapolis, Indiana, premium..... 2 00

*Specimen Lard Oil, one entry.*

F. A. Boyd, Indianapolis, Indiana, premium..... 2 00

*Hard Soap, three entries.*

Mrs. J. Caylor, Indianapolis, Indiana, premium..... 2 00

Digitized by Google

*Soft Soap, five entries.*

Wm. Watkins, Greencastle, Indiana, premium..... 2 00

*Display of Soap, one entry.*

Mrs. Otho Caylor, Indianapolis, Indiana, premium ... 2 00

*Display of Blacking, one entry.*

A. H. Fetty, Indianapolis, Indiana, premium ..... 2 00

*Display of Mineral Paints, one entry.*

F. A. Boyd, Indianapolis, Indiana, premium..... 5 00

J. W. SLACK,
M. L. SMITH,
NEWTON ROGERS,
*Committee.*

---

## MISCELLANEOUS DEPARTMENT.

### NON-ENUMERATED.

The Committee on Non-Enumerated Articles in the last State Fair made the following report to the Secretary. The name of the exhibitor, residence, article exhibited, and premium, is given in each case:

Mrs. H. J. Tuller, Indianapolis; boquet of pressed flowers, one dollar.

T. S. James & Brother; display of monumental work. Diploma.

Mrs. Ingraham, Indianapolis; bird painting, $1.

Miss Flora Finch, Indianapolis; bleached fern cones, $1.

Digitized by Google

F. J. Medina, Indianapolis; manufactured hair work. Diploma.

F. J. Medina, Indianapolis; wigs and toupees, $1.

F. A. Boyd, Indianapolis; lubricating oils. Diploma.

F. A Boyd, Indianapolis; engine and machine grease. Diploma.

J. W. Winder, Cincinnati, Ohio; porcelain picture, $2.

W. H. Hilliard, Madison; colored oil painting. Diploma.

Uncle Jack Barber, Kansal, Illinois; two hundred varieties of seeds and a collection of vegetables. Diploma and $5.

Jacob Grimm, Indianapolis; two large fig trees, $2.

William J. Buck, Indianapolis; orange tree, $1.

J. and B. Parker, Raysville; five quarts of raspberries. Diploma.

T. G. Anderson, Denver City, Colorado; collection of vegetables. Diploma.

T. G. Anderson, Denver City, Colorado; collection of grapes and pears. Diploma.

S. F. Taylor, New Westville; two hundred and forty kinds of beans, $2.

G. M. Freeman, Franklin; cider, apple and grape vinegar. Diploma.

William Shera, Indianapolis; minerals from Colorado. Diploma.

Deloss Root & Company, Indianapolis; window cap, lamp post, iron pipe and iron steps. Diploma.

Digitized by Google

P. W. McFatridge, Carthage; bee emptier, cage and honey knife. Diploma.

James S. Whitmore, Terre Haute; mill picks and stone cutters' tools. Diploma.

Frankem & Kline, Indianapolis; toilet ware, $1.

J. G. Hanning, Indianapolis; crystal fountain and chandalier. Diploma.

Shaw & Lippincott, Indianapolis; skeleton wagon. Diploma.

T. D. Whiting, Indianapolis; wagon and car bed, $5.

Wagner & Fisher, Anderson; grain cradle, $1.

R. R. Rouse, Indianapolis; driving well and points. Diploma.

Coffin, Deem & Company, Knightstown; valve, pump-handle and anti-freezer. Diploma.

R. A. Stewart, Orange; saw file. Diploma.

Edwin May, Indianapolis; fire-proof lath and fire-proof building. Diploma.

Brown & Boyce, Indianapolis; portable charcoal kiln. Diploma.

George H. Brown, Indianapolis; vinegar generator. Diploma.

West, Morris & Gorrell, Indianapolis; case glass and silverware. Diploma.

Greenleaf Machine Company, Indianapolis; steam pump and furnace grates. Diploma.

Lewis Kolb, Indianapolis; specimens of turning. Diploma.

H. Bates & Son, Dayton, Ohio; blacksmith drills. Diploma.

Digitized by Google

Morganstein & Hartman, Richmond; connecting motion. Diploma.

C. A. Condit & Company, Indianapolis; steam engine governor. Silver medal.

Indianapolis Paint Company, Indianapolis; paints and white lead. Diploma.

Browning & Sloan, Indianapolis; display of trusses and medicines. Diploma.

Edward Regan, Indianapolis; flue flanging machine. Diploma.

Van Camp & Jackson, Indianapolis; patent egg carrier. Diploma.

C. N. Spencer, Indianapolis; basket, $1.

I. C. Vinton, Chicago, Illinois; diamond rock drill. Diploma.

Heath & Smith, Portland, Connecticut; Japanned ware. Diploma.

R. R. Parker, Indianapolis; display of men's furnishing goods. Diploma.

Mary R. Greenwalt, Indianapolis; crochet work, $1.

Mrs. L. L. Jackson, Indianapolis; miniature garments and dress guide. Diploma.

Mrs. R. S. Haskins, Indianapolis; grass boquet, $1.

Miss Ella Snider, Indianapolis; basket wax fruit, $2.

Mrs. Adaline Brower, Lafayette; crystal tree, $2.



Digitized by Google

Melinda Irwin, Columbus; embroidered chemisette, $1.

Mrs. H. G. Hannaman, Indianapolis; pieced sofa cushion, one dollar.

W. H. Valentine, Indianapolis; display of corsets. Diploma.

Mrs. Susan Roth, Indianapolis; crochet bed spread, $1.

Samuel Goldsberry, Indianapolis; fancy cross, $1.

J. B. Smith, Indianapolis; dyeing, cleaning and repairing men's clothing. Diploma.

H. Billings, Indianapolis; fancy feather fans. Diploma.

Melinda Irwin, Columbus; embroidered gown made by an old lady seventy-one years old, $2.

Rachel McCormick, Indianapolis; Grecian painting, $1.

Mrs. A. A. Conditt, Indianapolis; feather hood, $1.

Rebecca Noland, Indianapolis; wax harp, $1.

Miss Emma Hauck, Lawrenceburg; lace knit frock, $2.

Mrs. A. Kahn, Indianapolis; pair pillow cases, $1.

J. A. Keith, Columbus; historical medley picture, $1.

Union Starch Company, Indianapolis; specimen of starch, diploma.

Lizzie White, Wabash; domestic shawls, $2.

J. H. McKernan, Indianapolis, machine for opening and closing hatchways, diploma.

Digitized by Google

R. S. Mitchell, Elizabeth; machine for cutting chair splits, diploma.

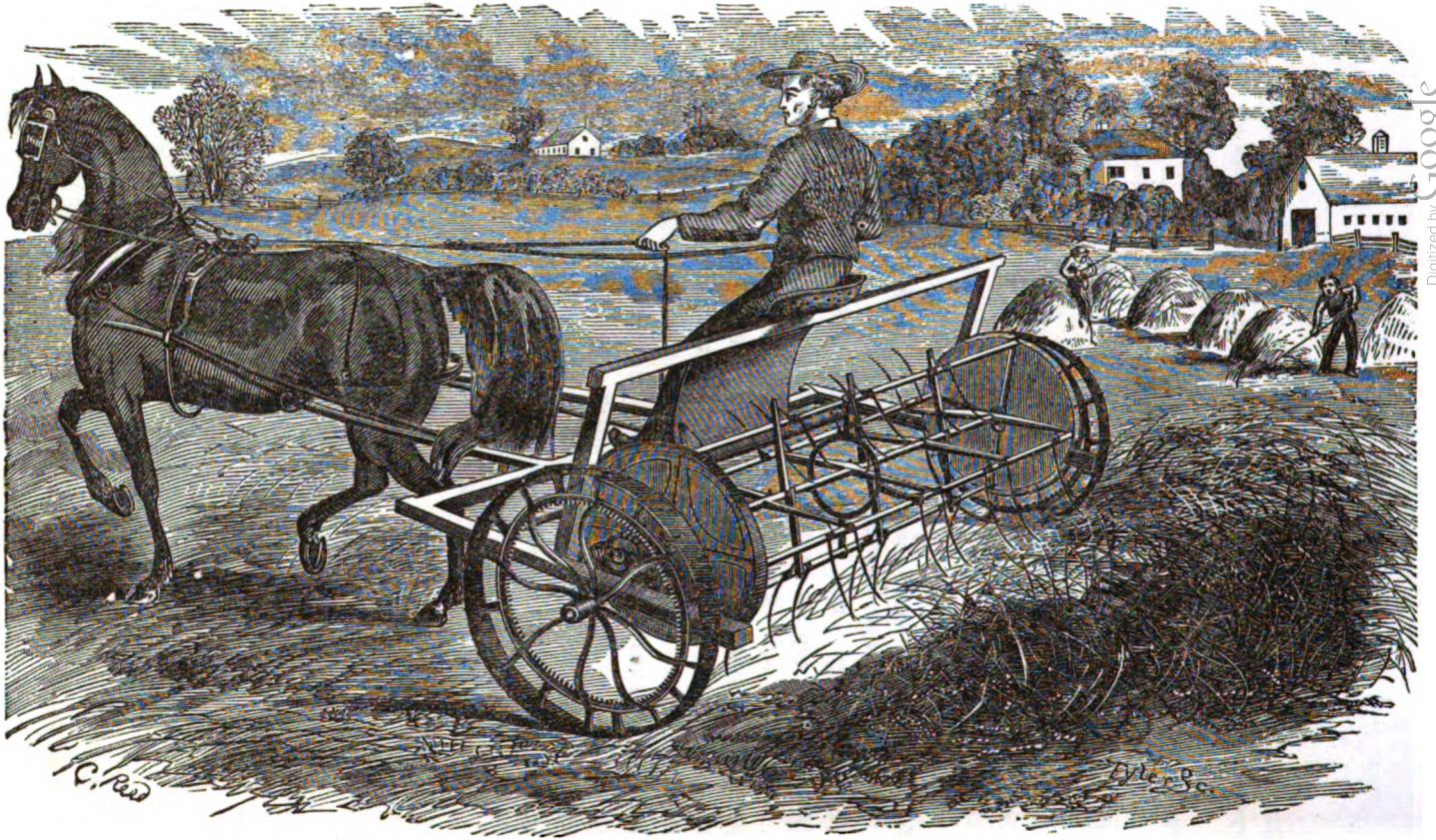
J. B. Hughes, Terre Haute; tile roofing, diploma.

B. F. Haugh & Co., Indianapolis; prison door, gate and walk, diploma.

J. M. Hicks, Indianapolis; best Italian bees, diploma.

Digitized by Google

Digitized by Google



# HAY TEDDER, OR CURER.

**Exhibited by J. GEO. STILZ, Indianapolis.**

Digitized by Google

Digitized by Google

# CIDER AND CIDER VINEGAR.

BY W. H. RAGAN.

PRIZE ESSAY OF INDIANA AGRICULTURAL SOCIETY.

The good old days of sound, perfect apples—such as we could take to our cellars, or to market, almost as they came from the orchard, without assorting, has passed away, and we of the West, who raise apples, find ourselves the possessors of a large amount of imperfect fruit. These difficulties seem to multiply annually. So much so that it now becomes a serious question, in the absence of any known remedy for such troubles, as to what way we can dispose of this almost worthless fruit, so that apple orchards may be made profitable.

Without stopping to discuss the very important question of the causes of failure with the apple crop, only intimating our opinion that it is mainly due to insect depredations, climatic influences and changes, and the exhaustion of our soils by a bad system of culture, we will proceed to give our plan of handling and disposing of such crops as we have. Formerly, when unsound fruit was the exception, and not the rule, we looked to the greatest interest in handling. We picked all our fruit from a ladder, and with great care barreled all but a few of the poorer specimens for market. The "culls" were thrown out, and if our crop was large, giving us plenty of employment in the handling of the good fruit, were left to rot in the orchard.

Now, if we pursue that same careful mode of handling, and packing for market, that we have been taught, both by precept and the practical results of marketing fruits, to prac-

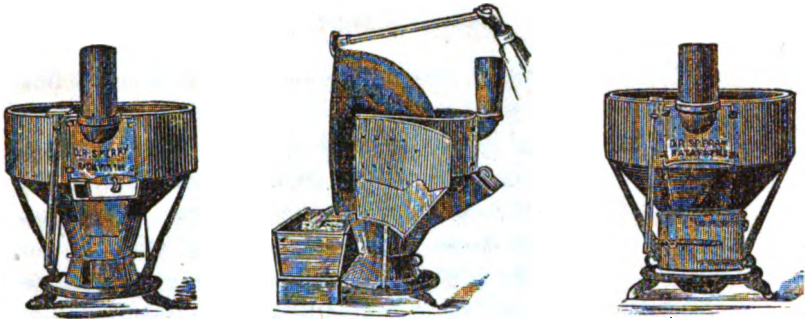
Digitized by Google

tice, our pile of "culls" assumes mighty proportions—there is too much of our crop there to lose. We have, therefore, been compelled to change our tactics, and instead of that slow and careful mode of handling, formerly practiced, we now go to our orchard when the fruit is ready for harvesting, and in the most rapid manner consistent with the interest at stake, we hurry our whole crop *en masse* into barns, sheds, and well ventilated buildings, where, during bad weather and evenings, we assort and barrel for market all the very best specimens, throwing out any entirely worthless and rotten fruit, and laying back the "culls." The advantages of this mode of handling are: dispatch in gathering; the economizing of bad weather and evenings in assorting under cover. Bruises will show themselves after laying a few days, and may be rejected in assorting, while the apples exposed to a dry atmosphere will bear packing and transportation better by having shriveled somewhat, and they will keep better, as they will have gone through the sweat before barreling. Having now disposed of the good fruit, we shall turn our attention to the "culls," which all this time have been snugly housed, undergoing the ripening process, and the evaporation of a great deal of the more watery elements so deleterous to the production of good cider. The weather is also becoming cooler, so that cider will keep sweet much longer, besides those that make late always get the best prices for their cider. We now leave this branch of the subject for a while, and turn our attention to that of suitable

### MACHINERY FOR THE MANUFACTURE OF CIDER.

This is by no means an unimportant branch of the subject; an opinion on which I fear but little controversy, especially from those of much experience in cider-making. True, there has been much inventive talent employed in an effort to improve our facilities for cider-making; but, unfortunately, almost all of this has been expended in an effort to give us a "toy" in the shape of a cider mill and press, to be operated by hand, and greatly at the expense of time, muscle, material

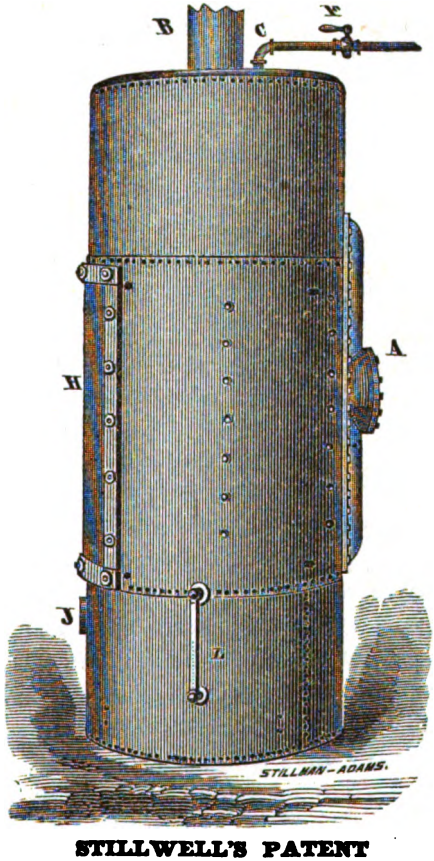
Digitized by Google



# THE PROFIT FARMER BOILER,

## WITH THICKENS' DUMPING CALDRON

Manufactured by D. R. SPERRY, Batavia, Illinois.
CASE & PARKER, Agents, Indianapolis.




STILLWELL'S PATENT

## *Improved Lime Extracting Heater and Filter, Combined.*

Manufactured by the STILLWELL & BIERCE MFG. CO., Dayton, Ohio.

Digitized by Google

Digitized by Google

and good cider. The result has been to put into the hands of almost every farmer a cider mill and press upon which he annually expends enough time, labor and apples to buy all the cider that he gets, besides what little he gets is always of poor quality. I say of poor quality because it is utterly impossible to make good cider in such small quantities. And yet when I have said all this, I cheerfully admit that these little mills are very useful and handy in making small quantities of sweet cider for immediate use, but entirely unfit for business. Having thus expressed my opinion of hand mills, it will be expected that I should offer some better plan of manufacture, which I propose to do, after saying that cider making is really as much the business of manufactories as grinding our grain, or spinning our wool is, and that individuals, unless it be large orchardists, are as little able to do themselves justice in one case as the other.

There are several of these manufactories in the State of Indiana, and wherever they have been established the hand mills are laid aside. If a man can, with a good deal of physical extortion, get two gallons of cider to the bushel, when, by hauling his apples a short distance, and without further labor, he could get four gallons of better cider, he would certainly soon learn to prefer the latter. We have known men to bring apples to the mill to be worked who had to borrow barrels to take their cider home in, when they thought they had brought enough to hold more than they expected to get.

The mill, which we regard as the cheapest, taken altogether, is the Grater mill, consisting of a wooden cylinder about ten inches in diameter, and the same length, driven full of small spikes (large heel tacks) and driven by one or two horses, and an endless chain horse-power. We prefer the endless chain power on account of it occupying so little room. The Jersey Grinder is an excellent mill, operating essentially on the same principle as the above, but has the objection of being made of iron, which, unless kept strictly clean, is objectionable, as the acid of the apples will corrode the metal; and it is too expensive for most of us. The wooden mills of "auld lang syne," though working on the true principle of mash-

Digitized by Google

ing instead of cutting, are too slow and cumbersome for this fast age of ours.

The pressing is, however, the slow, tedious part of the operation, to the improvement of which we wish to call the attention of inventors. The lever has very grevious objections, while, at the same time, it is decidedly the cheapest power, and gives us a continued pressure even "while we sleep." But when we consider the great labor and inconvenience of operating it, together with the amount of roof to cover it, or the inconvenience of working out of doors, we must give our preference to the screw.

The screw, if manipulated in the ordinary way, by the use of a lever, is also quite inconvenient. We shall, therefore, look with some interest to the further development of a plan proposed by one of Indiana's fruit growers, by which these objections to the screw are likely to be overcome. In the use of either power, we would prepare our "pomace" for pressing in cloths instead of straw, or a crib. They are much cheaper, nicer and lighter to handle than either straw or crib.

Our experience leads us to condemn the use of large "cheeses" as not economical. A press that will make from one to two barrels at a time will perform its work quicker and more thoroughly than a larger one that requires greater power and time. I am familiar with an instance of two hands on a one-barrel press having made twenty-five barrels in one day, while a neighbor with a press making fourteen barrels at one operation could only make one pressing in a day, it requiring that time to run dry.

We return now, after the weather has become quite cool, and our apples well prepared by sufficient time in a dry room to the apple-house, where we give our fruit another careful assorting, throwing out all that are in the least degree rotten, with all foreign substances, such as leaves, sticks, stones and dirt of any kind. They are now conveyed to the mill, which is suspended over a large vat that will hold enough for six or eight barrels of cider, and ground, allowing the pulp to lie in the vat for twelve, twenty-four, or in cool weather, thirty-six hours. It will be well if the mass is turned occasionally with

Digitized by Google

a shovel to bring each particle in contact with the atmosphere. This is a point to which I wish to call especial attention and the chief reason why hand mills fail to make good cider, or a good yield. To the chemist we need not explain, but for less educated practical men we would say that there is a chemical action going on from the time the mill finishes its work, which is converting starch and gum into sugar, and at the same time softening the particles of pulp, the result of which is to give you more clear and sweeter cider. In order to make this matter so clear that all may understand, I need only to refer my readers back to their "days of childhood," when we were accustomed to thoroughly bruise a sour seedling apple and lay it aside for a time, when on the application of our teeth with a little suction we were able to extract a sweet and delicious juice. Here were at work the same chemical agents that we now employ to our great advantage. Of course, we will exercise our judgment in regard to the time we allow the pomace to lay, regulated altogether by the atmospheric temperature. The press should stand near enough to the vat for the pomace to be shovelled over without making it necessary for the operator to change his position, and every other point where a "step" can be saved should be taken advantage of. Every part of the mill and press should be kept scrupulously clean, and the cider, after it runs from the press, should be filtered through a series of cloths, into new barrels, or those recently emptied of pure distilled liquors, or wines. No old, second hand, musty barrels, of any kind, should ever be used, not even if a customer brings such to you to be filled for his own use. He may invite some friend to drink some of your make of cider, which will be discussed, with reference to your reputation as a cider maker.

Cider made in this way late in the season, from sound, well-ripened apples, and put up in new barrels, will keep all winter without further trouble; but if it is desirable to bottle, it will be best to draw it off into clean barrels after it has been made about one month, and again early in March.

Digitized by Google

About three weeks after this second racking, and before the blooming season of the apple tree, it may be bottled, after which it will be treated as wine, for which, with most people, it will be accepted as a substitute, and, in the opinion of the writer, is far better. There are certain varieties of apples that are justly celebrated for making cider of extra good qualities; but, with us, it is scarcely necessary to plant such with that view alone, as our common sorts afford all we want, that are fit for nothing else.

I have, thus far, spoken of the manufacture of cider, and considered it in the light of a beverage, and as a means of utilizing our waste fruit.

The great profit, however, to orchardists, is in its conversion to vinegar; and it has been mainly with this fact before me that I have written the above directions for cider making, since that is the first step in the operation of the manufacture of vinegar.

In the hygienic economy of the human family it seems to be absolutely necessary that we, or at least those of us who are so situated that our daily supply of acid fruits is limited, or scanty, should be supplied in the form of acetic acid, which is found in its purest and most healthy and palatable conditions in cider vinegar.

In evidence of this fact I need only refer to the ten thousand ways of counterfeiting pure cider vinegar. I should almost feel warranted in offering a liberal reward for a single cask in the hands of any dealer in city or town that is not pure cider vinegar. They never deal in any other sort. Yet it is a fact, patent to all well informed orchardists, that there is but a very small per cent. of cider vinegar offered to the public through our dealers. That these compounds are injurious to, rather than the promoters of health, is undoubted, while it is equally true that our orchards are capable of supplying all reasonable demands with the pure article. We ask, then, why this demand is not supplied from our orchards? There are two reasons; the main one, that consumers will buy these poisonous compounds, when they cost them a little less

Digitized by Google

than the genuine; and that it requires a good deal of patience, time and perseverance to get up the pure article. When we can take a little alcohol, sorghum scum, acetic acid and rain water, and run it through a generator in one day's time, and bring it out "pure cider vinegar," and get as much for it as a barrel that has taken from one to two years to "come," we see that the premium for honesty is small.

But how to make pure cider vinegar is the question? This can only be done by taking such cider as we describe above, putting it in a cask with an open bung, and setting it away in a dry, warm room, where it will not freeze, awaiting the result, which will come about in from one to three years. The formation of acetic acid, or the process of acetic fermentation, may be hastened by using casks that have been used for vinegar, or by adding sour cider to a cask already one-third or one-half full of vinegar. But to attempt anything further than this, in the way of hurrying matters, is always at the expense of quality.

Our object in writing this essay has been more to encourage the orchardist in the utilizing of his waste fruit, in a way that it may not only be a source of profit to himself, but so as to offer to the consumer, instead of an article injurious to human life and health, one that shall be the promoter thereof, rather than to attempt anything in the way of scientific descriptions, of processes and manipulations connected with the manufacture: in other words, to present the matter in its most practical form—in plain English—so that he who reads may not fail to understand.

For the above reasons, the scientific reader may object to this paper as not giving the details sufficient attention.

Digitized by Google

Digitized by Google

# ABSTRACT

OF

# COUNTY AND DISTRICT REPORTS.

## FOR 1870.

REPORTED TO THE BOARD JANUARY, 1870.

## ALLEN COUNTY.

The Secretary of the Allen County Agricultural and Horticultural Society submitted the following report:

*To the State Board of Agriculture:*

The undersigned would respectfully report that our seventeenth annual fair was held on the 20th to the 24th inclusive, of September. Our premium list was large, and liberal premiums offered. Our fair was a success.

We had a very fine display of fruits and flowers, seldom equalled by any county or even State exhibition. Farm products were also largely exhibited, and of excellent quality. The stock department was well represented, though not as many entries as we have had at some other fairs. We have ignored fast horse rings entirely, believing them to be of no practical benefit to the farmers of the county. The society has paid all premiums awarded, and have near $800 on hand for future operations. We have ample rooms in our Court House, where the members meet every Saturday, for the dis-

Digitized by Google

cussion of such subjects as may be brought before them, essays read, and a general interchange of opinions and observations in regard to the farming interests of the country.

The present officers of our society are:

OFFICERS.

Hon. F. P. RANDALL, President.
ADAM LINK, Treasurer.
A. W. TAYLOR, Secretary.

Respectfully submitted,

A. W. TAYLOR, *Secretary.*

---

## BRIDGETON AGRICULTURAL SOCIETY.

The Secretary of the Bridgeton Union Agricultural Society submitted the following report:

*To the State Board of Agriculture:*

The Bridgeton Union Agricultural Society, composed of the counties of Parke, Putnam, Clay and Vigo, would submit the following for the year 1870.

The society held their ninth annual fair, on their fair grounds near the village of Bridgeton, situated in the south-east corner of Parke county, commencing on the 29th of August, and closing on the 3d of September. The fair was an entire success; the display of stock was very good, especially in hogs. The society heretofore have had the family ticket arrangement, admitting man and wife, and children under sixteen. This year we adopted the day ticket. The Board of Directors met with strong opposition, and a great many prophesied a failure, but the result was that our receipts at the gates was over six hundred dollars in advance of any fair before. It would be proper to state in connection with

Digitized by Google

the expenses of the society for the present year, that we built a fine Art and Floral Hall at an expense something over four hundred dollars, and a number of new stalls. In the counties composing the district, Putnam and Vigo have their regular county societies, Parke has a Horticultural and Rural Institute, situate at Bloomingdale; Clay has had, and I believe yet has an organization, but has held no fair for two years.

OFFICERS.

JAMES N. MILLER, President.
ISAAC WIMMER, ABEL BALL, Vice Presidents.
ABEL MITCHELL, Treasurer.
DEMPSEY SEYBOLD, Secretary.
NEWTON ROGERS, Superintendent.

EXECUTIVE COMMITTEE.

JOSEPH GILBERT, Vigo County.
A. B. Pegg, Vigo County.
W. P. Wood, Putnam County.
H. C. DARNELL, Putnam County.
D. L. MODISETT, Parke County.
JOHN PICKARD, Parke County.
JAMES A. REA, Parke County.
G. W. OVERSPECK.
G. W. ARCHER, Clay.
J. L. WEBSTER, Clay.

RECEIPTS.

| | |
|---|---|
| On hand, January 1, 1870 | $24 90 |
| Shows, hucksters, etc. | 1,854 85 |
| Ten per cent. on Time Ring | 145 00 |
| Received of Parke County | 47 50 |

EXPENDITURES.

| | |
|---|---|
| Expenses of fair | $761 15 |
| Paid on premiums | 1,500 00 |
| Total receipts | 2,431 71 |
| Total expenses | 2,261 15 |
| Balance on hand | $170 62 |

DEMPSEY SEYBOLD, Secretary.

Digitized by Google

## BOONE COUNTY.

The Secretary of the Boone County Agricultural Society submitted the following report:

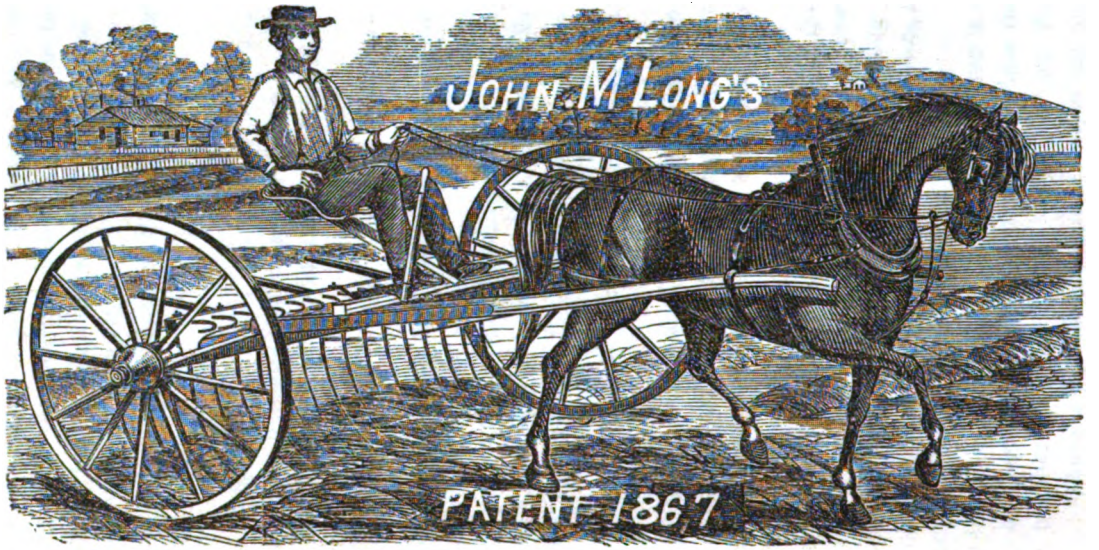
*To the State Board of Agriculture:*

This society was organized in the year 1853, and has continued to hold fairs and sustain and encourage the agricultural and manufacturing interests of the county to the present time. The object of this report will be to note the progress of the society for 1870. At the annual meeting in January, proceedings were had and plans inaugurated, which resulted in the leasing of suitable grounds for the term of ten years, to be fitted up for the annual exhibition of the society. About twelve acres have been surrounded by a good plank fence, seven feet high, with proper gates and entrances. The buildings within the grounds consist of two halls, one twenty by thirty feet, the other twenty by eighty feet, an office, together with a number of cattle and horse stalls, sheep, hog pens, and such other fixtures as are common to such grounds. A track, one-fourth of a mile in circuit, was graded within the stock ring, for the accommodation of equestrians, and for the exhibition of horses in harness and under the saddle. Three wells were sunk, walled and furnished with pumps, a dining hall, etc.

The Board offered more cash premiums in the enumerated lists of a lower grade than they would have done under more flattering circumstances. The writer, however, is not partial to high preminms, but in lieu thereof would recommend an increase of the number to be awarded in lists where the competition is large and close. Have a first, second and third, and even a fourth premium where the funds and competition will justify.

The fair was held at Lebanon, October 5th, 6th, 7th and 8th, 1869, and was highly creditable to all concerned. The

Digitized by Google




**JOHN M. LONG'S PATENT**

# SULKY STEEL TOOTH RAKE.

**Manufactured and exhibited by LONG, BLACK & ALSTATTER, Hamilton, Butler County, Ohio.**

Digitized by Google

Digitized by Google

competition and show in the stock department was not as extensive a nd spirited as it should have been, but this will not be likely to occur next year. The weather was very fine and the attendance much larger than was to be expected under all the surroundings. Exhibitors and visitors were all interested, and generally well satisfied. The entries were 553. The amount of premiums awarded, $451 25. The receipts are as follows:

| | |
|---|---|
| From old fund | $637 85 |
| From County Treasurer—licenses of shows | 463 50 |
| From membership and sale of tickets at fair | 1,730 00 |
| Total | $2,831 35 |

| | |
|---|---|
| Paid for lumber, work and materials in fitting up grounds | $889 80 |
| Paid for premiums, help, and printing at fair | 727 00 |
| Premiums awarded, not yet paid; estimated bills for work on grounds, etc., not yet settled | 75 00 |
| Which leaves probable balance | $1,129 55 |

This balance will be spent in further improvements upon the grounds during the coming spring and summer, which, with improvements already made will make it reasonably comfortable and convenient.

The soil and timber of the county is generally good, and of the varieties common to the summit lands between White river and the Wabash. The timber is now being converted into sawed, split and hewn stuff for transportation, for various purposes to which timber is applied.

The trade and business in timber, at this time is very large, but we have no reliable data from which to state the amount.

The number of acres of land upon the tax duplicate is 266,720. There is no statement, however, of the amount cultivated. It is estimated that one-half of this is cultivated in pasture, meadow or grain. The crops consist of corn, wheat, oats, buckwheat, vegetables and all the grasses, and with pro-



Digitized by Google

per culture, are remunerative and satisfactory. The grasses, such as blue grass, timothy, clover and red top, grow in great luxuriance wherever they have any attention. The blue grass seems readily to take the pastures, and is one of the best grasses for pastures in early summer, fall and winter.

The value of lands for taxation is put down at $3,717,410, and the value of improvements, $1,055,570, and total value of taxables, including personal, $8,314,620. The actual value is probably $12,000,000, or more, in the county.

Our system of farming is not as thorough as it should be in many respects, but there is an active interest and a spirit of improvement in this regard. There should be more grass and better stock, fewer acres of corn, deeper tillage, and more thorough drainage. The latter is receiving special attention, and no enterprise of our citizens promises such advantages and important results to the agricultural wealth of our county.

Respectfully,

A. J. BOONE, *Secretary.*

---

## DECATUR TOWNSHIP.

The Secretary of the Decatur Township Agricultural and Horticultural Society submitted the following report:

*To the State Board of Agriculture:*

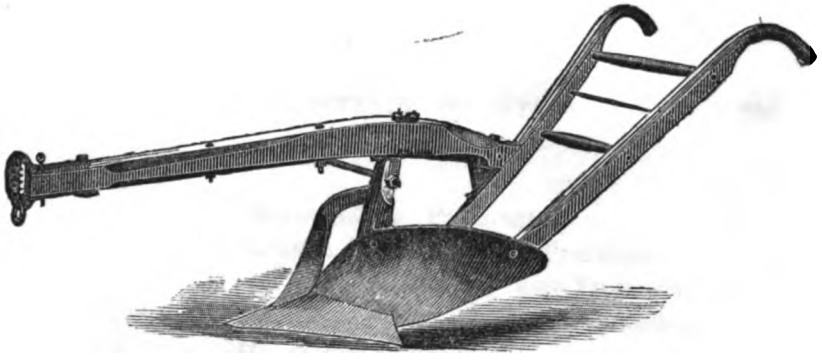
This society was organized on the 25th of December, 1860, and has been well sustained during the past year.

The society has just purchased a library of agricultural and horticultural books.

The society has thirty-seven members.

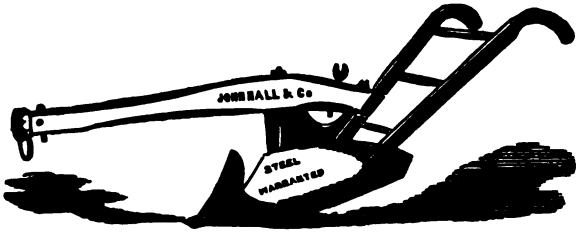
The following are the officers for 1871:

Digitized by Google



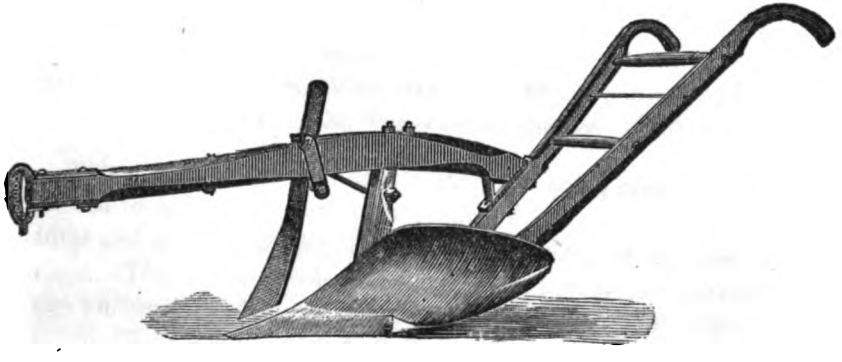
## *GENERAL PURPOSE PLOW.*

**Manufactured by MILLIKIN, SHIPLEY & CO., Hamilton, Ohio.**




## *PITTSBURG STEEL CENTER PLOW.*

**Exhibited by J. GEO. STILZ, Indianapolis.**



## *SOD PLOW.*

**Manufactured by MILLIKIN, SHIPLEY & CO., Hamilton, Ohio.**

Digitized by Google

Digitized by Google

OFFICERS.

MOSES ALLEN, President.
JESSE J. WHITSON, Vice President.
J. F. MILLS, Secretary and Treasurer,
Valley Mills, Indiana.
DR. S. MILLS, Librarian.

J. J. W. Billingsly is appointed a delegate to attend the ensuing meeting of the State Board of Agriculture at Indianapolis.

By direction of the society, held December 31st, 1870.

JESSE J. WHITSON, *Acting President.*

J. F. MILLS, *Secretary.*

---

## DECATUR COUNTY.

The Secretary of Decatur County Agricultural Society submitted the following report;

*To the State Board of Agriculture:*

OFFICERS.

A. T. DRAPER, President.
W. S. WOODFILL, Treasurer.
FRANK M. WEADEN, Secretary.

This society was organized in the year 1852, and has continued to hold fairs and sustain and encourage the agricultural and manufacturing interests of the county to the present time. The object of this report will be to note the progress of the society for 1870. At the Annual Meeting, in December, proceedings were had and plans inaugurated which resulted in changing the organization into a joint stock company.

The society is the owner of twenty acres of land, about one-

Digitized by Google

half of which is beautifully shaded; all under good fence. The buildings within the grounds consist of three halls, two twenty by thirty feet, the other thirty by eighty feet, offices, together with a number of cattle and horse stalls, sheep and hog pens and such other fixtures as are common to such grounds. A track was graded within the stock ring for the accommodation of equestrians and for the exhibition of horses in harness and under the ssddle. The grounds are also provided with a splendid time track one-half mile in length. Three wells were sunk, walled and furnished with pumps; a dining hall etc.

The Board offered about $1,500 in cash premiums.

The Fair was held at Greensburg, Indiana, September 20th, 21st, 22d and 23d, and was highly creditable to all concerned. The conpetition and show in the stock department was extensive and spirited—much better than we have had for some years. The weather was very fine and the attendance much larger than was expected. Exhibitors and visitors were all interested and generally well satisfied. The entries were 1,352; the amount of premiums awarded, $1,600.

The receipts are as follows:

| | | |
|---|---|---|
| From County Treasurer—licenses of shows.... | $30 | |
| For membership and sale of tickets at fair..... | 3,000 | |
| Total..... | | $3,030 |
| Paid for lumber, work and material in fitting up grounds..... | $500 | |
| Paid for premiums, help and printing at fair... | 1,800 | |
| Premiums awarded, not yet paid; estimated bills for work on grounds, etc., not yet settled.... | 100 | |
| | | $2,400 |
| Which leaves a probable balance of..... | | $630 |

This balance will be spent in further improvements upon the fair grounds during the coming spring and summer, which, with improvements already made, will make it as fine and convenient as any grounds in Southeastern Indiana.

Digitized by Google

The soil and timber of the county is generally good, and of the varieties common to the summit lands between White river and the Ohio.

The trade and business in timber at this time is considerable, but we have no reliable data from which to state the amount.

The crops consist of corn, wheat, oats, buckwheat, vegetables and all the grasses, and with proper culture are remunerative and satisfactory. The grasses, such as blue grass, timothy, clover and red top, grow in great luxuriance wherever they receive attention. The blue grass seems readily to take the pastures, and is one of the best grasses for pastures in the early summer, fall and winter.

Our system of farming is not as thorough as it should be in many respects, but there is an active interest and a spirit of improvement in this regard. There should be more grass and better stock, fewer acres of corn, deeper tillage, and more thorough drainage. The latter is receiving some attention, and no enterprise of our citizens promises such advantages and important results to the agricultural wealth of our country

Respectfully,

FRANK M. WEADEN, *Secretary.*

---

## DAVIESS COUNTY.

The Secretary of the Daveiss County Agricultural Society submitted the following report:

WASHINGTON, December 2, 1870.

*To the State Board of Agriculture:*

At the request of the Hon. J. D. Williams, I enclose to you the Articles of Association of the Daviess County Agricultural, Mineral and Mechanical Association. They were filed in the Recorder's office on the 28th day of November, 1870.

Digitized by Google

At a meeting of the Board of Directors, held on Thursday, December 1st, 1870, W. Helphenstine was elected President, and William D. S. Bynum chosen Secretary.

The books were opened for the purpose of receiving subscription to the stock of said association. Since which $2,500 has been subscribed.

Mr. Williams informed us that a copy of our proceedings, including our organization, would entitle us to be represented at the next annual meeting of the State Board, to be held in January, 1870. If inclosed are not sufficient, will furnish subsequent proceedings at any time, upon notice.

Respectfully,

WM. D. S. BYNUM, *Secretary.*

---

## DEARBORN COUNTY.

The Secretary of the Dearborn County Agricultural Society submitted the following report:

LAWRENCEBURG, November 25, 1870.

*To the State Board of Agriculture:*

The following is a condensed report of our Fair this year:

| | | |
|---|---|---|
| Receipts from membership and admission fees | $1,164 20 | |
| Commission on entries | 209 60 | |
| Rents for booths and shows | 152 50 | |
| County Treasurer | 50 00 | |
| Total | | $1,576 39 |
| Paid for premium list | $1,099 00 | |
| Other expenses | 366 00 | |
| Total | | $1,465.00 |
| Balance | | $111 30 |

The item of expenses contains a bill for diplomas and other things, forming a stock on hand, and shortening the expenses

Digitized by Google

next year. Considering the drawback caused by the dry weather all through the early autumn, we have reason to be fully satisfied with the success of our fair. At no former time had we a better show of live stock. Cattle and horses were on hand and of superior stock. Hogs and sheep came in such numbers that we had to build new pens for them, and the poultry list was better filled than ever.

The interest taken by our farmers during the last year in attending the meetings of the Board has already begun to show fruit, and, if the signs be not deceptive, we predict a still better result for next year.

The Board passed resolutions for stated meetings every three months—besides special meetings.

Committees are already appointed to have some shade trees planted to protect the stalls—or, rather, the animals when in the stalls.

Other improvements about the halls are under advisement and will, no doubt, be pushed.

There was a total change in the officers, which was not the result of any difsatisfaction, however. On the contrary, the Board complimented the old officers and granted their release because they had served well, and the increased attendance of the directors made it possible to choose such officers in the places of the old ones as to insure fully the future success of this society.

I give you a full list of the directors and officers elect:

OFFICERS.

W. H. BAKER, President.
JOSEPH GUARD, Vice President.
C. H. VINCENT, Vice President.
R. H. LANGDALE, Treasurer.
SAMUEL MCELFRESH, Secretary.

DIRECTORS.

| | | |
|---|---|---|
| Isaac B. Wood, | Daniel Cloud, | Jas. M. Blasdel, |
| Razon Rees, | P. L. Matheus, | Alex. Beckman, |
| Samuel B. Shanks. | Peter Vogel, | Thos. McKenney, |
| H. Dawson, | John Hornberger, | S. Humpfield, |
| Isaac B. Ward, | W. T. Ferris. | |

Digitized by Google

*Ohio.*

Chalon G. Guard, Silas Van Hays, Ezra G. Guard.

*Kentucky.*

Geo. W. Terrill, G. C. Graddy, Louis Connor.

As to the products of this county, they are varied. Our staples are corn and hay; wheat, barley, oats and potatoes are largely cultivated. In fruit, the pear and peach are doing better than the apple, and pear culture is gaining rapidly in this neighborhood.

The price of land ranges from ten to one hundred dollars, according to soil and situation.

P. L. MATHEUS, *Ex-Secretary.*

---

## ELKHART COUNTY.

The Secretary of the Elkhart County Agricultural Society submitted the following report:

GOSHEN, IND., November 2, 1870.

*To the State Board of Agriculture:*

The Elkhart County Agricultural Society was organized in June, 1851, and for many years held successful fairs. When the war came, fairs were suspended. Twice since we have attempted, but not meeting with the desired success we have not for two years held fairs. We have, however, maintained our organization, meeting annually and electing officers. This summer we exchanged our fair grounds within the bounds of our town for a tract of eight acres heretofore owned by the Elkhart County Live Stock Association, for the purpose of holding fairs, and it hoped the Society may yet be useful for the purpose of its organization; but at present it can do but little more than maintain its organization. We

Digitized by Google

shall endeavor to be represented at the next meeting of the State Board.

The number of acres of land placed upon the tax duplicate is 290,894. There is no statement, however, of the amount cultivated. It is estimated that one half of this is cultivated in pasture meadow or grain. The crops consist of corn, wheat, oats, buckwheat, vegetables, and all the grasses, and with proper culture are remunerative and satisfactory. The grasses, such as blue grass, timothy, clover and red top, grow in great luxuriance, wherever they have any attention. The blue grass seems readily to take the pastures, and is one of the best grasses for pastures in early summer, fall and winter.

The value of lands for taxation is put down at $5,277,152, and the value of improvements $1,130,319, and total value of taxables, including personal $11,907,949.

Our system of farming is not as thorough as it should be in many respects, but there is an active interest and a spirit of improvement in this regard.

OFFICERS.

THOMAS MILLER, President.
E. W. H. ELLIS, Treasurer.
JOHN W. IRWIN, Secretary.

Respectfully,

JOHN W. IRWIN, *Secretary.*

---

## FOUNTAIN, WARREN AND VERMILLION AGRICULTURAL SOCIETY.

The Secretary of the Fountain, Warren and Vermillion Agricultural Society submitted the following report:

COVINGTON, IND., November 25, 1870.

*To the State Board of Agriculture:*

This Society was organized in the year 1860, and has continued to hold fairs and encourage the agricultural and manufacturing interests of the three counties to the present time.

Digitized by Google

The object of this report will be to note the progress of the Society for 1870. Fifteen acres have been surrounded by a good plank fence, seven feet high, with proper gates and entrances. The buildings within the grounds consist of the office, 16x30; one amphitheatre, 30x1000 feet; one hall for farm products and manufacture, two good wells, horse stalls, hog and sheep pens. A good track one third of a mile in circuit, graded within the stock ring. The Board offered very fair premiums throughout. The fair was held at Covington, Fountain county, September 27th, 28th, 29th and 30th, and was creditable to all concerned. The competition in the stock department was not as extensive as has been heretofore. The weather was fine and the attendance very good. The third day the crowd was very large. The entries numbered five hundred and ninety. The amount of premiums awarded about eight hundred dollars. The premiums are generally paid; but very few small premiums not called for as yet. The receipts are as follows:

RECEIPTS.

| | |
|---|---|
| From old fund | $300 00 |
| From County Treasurer, show licenses, etc | 20 00 |
| From membership and sale of tickets | 1,9:5 00 |
| | $2,215 00 |

EXPENDITURES.

| | | |
|---|---|---|
| Paid for lumber and fitting up the fair grounds | $100 00 | |
| Paid for printing | 75 00 | |
| Paid premiums, including those not yet paid | 800 00 | |
| Expenses for police, clerks and gate-keepers, etc | 225 00 | |
| | | 1,200 00 |
| Which leaves probable balance | | $1,015 00 |

This balance will be spent in further improving the fair grounds the next season. The soil and timber of the three counties are good. Coal plenty in Fountain county. Two

Digitized by Google

railroads east and west through Fountain and Warren counties. The Wabash and Erie Canal runs north and south through Fountain county.

The election for officers is the first Saturday in February, 1871. Place of holding fairs—Covington.

OFFICERS.

ELIAS SCHLOSSER, President.
DAVID ROWLES, Treasurer.
ISAAC HAUPT, Secretary.

ISAAC HAUPT, *Secretary.*

---

## FAYETTE COUNTY.

The Secretary of the Fayette County Joint Stock Agricultural and Mechanical Society submitted the following report:

*To the State Board of Agriculture:*

Fayette County has always taken a prominent stand in agricultural and mechanical matters, and began holding annual fairs, perhaps as early as any county in the State. When the first fair was held, or when the first agricultural society was organized, is not in my power now to give. In 1861, however, the old society was merged into the present one, which, since that time, has been in constant operation, holding annual fairs, that in interest and success have been equalled by few, and surpassed many in the State.

Up to 1865, this Society held its fairs upon leased premises, but in the fall of that year they bought a fine tract of land within a quarter of a mile of the corporation limits of Connersville, containing twenty-six acres of as fine land as could possibly be desired for that purpose, well shaded with grand old forest trees. Since then the society has been making constant improvements, surrounding it with a tight fence about seven feet high, with large arched gates, erecting buildings,

Digitized by Google

stalls, stock and speed rings, until now, both on account of the improvements and the increase in the value of property, the grounds are worth near $20,000. The buildings consist of three large halls—vegetable, mechanical and floral halls—and a large dining hall with a commodious kitchen attached. The halls range in size from 20x50 to 30x60 feet. Along the half mile speed track, which, by the way, is said by horsemen to be one of the best in the State, are two tiers of seats elevated in amphitheatre style, roofed over, and large enough to accommodate from 1,500 to 2,000 people. Across the track from these and nearly directly opposite, is a stock ring about fifty yards in diameter, enclosed by a strong but neat pailing fence. In the centre of this ring is a two story, octagonal building, the first story of which is used for a judge's stand, and the second story for a band room. We have an ample supply of stalls for the stock brought for exhibition, and two wells furnish excellent and plenty of water for both stock and visitors.

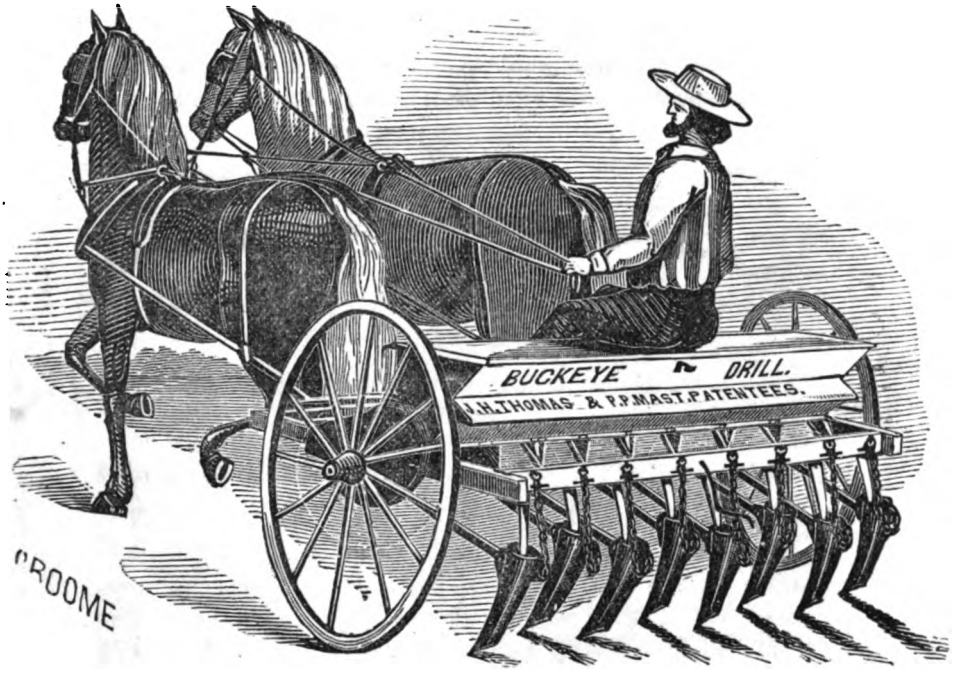
The fair for 1870 was held September 6th to 10th, inclusive, and was attended with greater success than could possibly have been hoped for under the circumstances, for it so happened that the Marion County Society selected the same time for holding their first annual fair, and we being in such direct communication with Indianapolis, this could not help but detract a little from us. But we should not complain, inasmuch as our receipts this year are by nearly $250 larger than last year, though not what they would have been had our time not clashed with that of any other society.

All of our premiums are cash, and amounted this year to within a few dollars of $3,000. Over $2,500 were competed for, awarded and paid out.

The number of entries made were:

| | |
|---|---|
| Horses | 186 |
| Asses and mules | 21 |
| Cattle and other live stock | 83 |
| Other departments | 604 |
| Total | 804 |

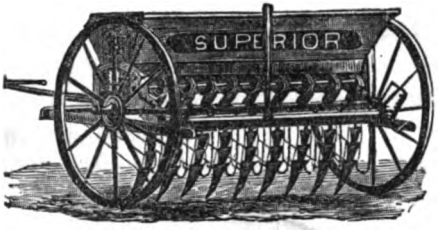
Digitized by Google




## *BUCKEYE GRAIN DRILL,*

**Manufactured by THOMAS & MAST, Springfield, Ohio.**

**Exhibited by J. GEO. STILZ, Indianapolis.**




## *SUPERIOR GRAIN DRILL and GRASS SEED SOWER.*

**Manufactured and exhibited by FERRELL, LUDLOW & RODGERS, Springfield, Ohio.**

**SPENCER & CO., Agents, Indianapolis.**

Digitized by Google

Digitized by Google

This, however, does not give a correct idea of the number of articles, or of stock on exhibition, as very many of the entries embrace a collection of articles, and of stock.

The receipts and expenditures have been as follows:

RECEIPTS.

| | |
|---|---|
| There remained in treasury from 1869..... | $220 15 |
| Received from rents of ground, refreshment stands, sale of tickets, etc..... | 5,278 25 |
| Total..... | $5,498 40 |

EXPENDITURES.

| | |
|---|---|
| There was paid out for premiums, improvements of ground, and expenses of fair..... | $4,849 09 |
| Leaving balance in treasury..... | $649 31 |

The society being yet a little in debt, this balance will be expended upon payments now due. A few more years of continued success will enable us to liquidate every indebtedness, and then, with property worth near $25,000, this society; with an original outlay of less than $7,000 will be able to offer such premiums and inducements to exhibitors, that the fairs of Fayette County will surpass the successes achieved in former years.

The officers elect for 1871 are:

AZARIAH T. BECKETT, President.
JOHN L. BAILEY, Secretary.
E. F. CLAYPOOL, Treasurer.

The time for holding the next fair has been fixed to begin on the first Tuesday of September, 1871.

The number of acres of ground placed upon the tax duplicate of the county is 135,997.

The value of the lands is assessed at $3,955,300; of improvements at $557,870. Total value of taxables, including personal property, $7,656,415. The actual value probably exceeds $12,000,000.

Yours, etc.

CHARLES ROEHL, *Secretary.*

Digitized by Google

## FOUNTAIN AND WARREN AGRICULTURAL SOCIETY.

ATTICA, INDIANA, November 1, 1870.

The Secretary of the Fountain and Warren Agricultura Society submitted the following report:

*To the State Board of Agriculture:*

This Society, organized in the year 1862, has continued to hold annual fairs, and to encourage and sustain the agricultural and manufacturing interests of the counties of Fountain and Warren to the present time. At the annual meeting in December of 1868 it was resolved to lease new and more appropriate fair grounds, which resolution passed unanimously, and the Society, in accordance therewith, leased for the term of ten years the present grounds, lying about one mile east of Attica, containing ten acres, which has been fitted up, and is being improved from year to year for the use of the society; the whole being surrounded with good plank fence seven feet high, with substantial gates and entrances. Our buildings consist of one hall, eighteen feet by sixty feet; offices for the Treasurer and Secretary; with a large number of stalls for cattle and horses, as also sheep and hog pens, and such other fixtures pertaining to well regulated fair grounds. A good track, one-fourth of a mile in circuit, is graded and fenced within the stock ring for the exhibition of horses, equestrianship and such other exercises common to county fairs.

There is a good well upon the grounds, as also a running spring of excellent water, which has been made available for stock purposes.

Our grounds also contain a good dining hall for the use of the society and visitors to its annual exhibitions. At the fair of 1870 the amount of cash premiums offered amounted to one thousand dollars and fifty cents, as divided as seen in the

Digitized by Google

annexed premium list, which is respectfully made a portion of this report.

The fair was held on the 20th, 21st, 22d and 23d days of September, 1870, and was, in every respect, one of—if not the very—finest ever held by the society. The exhibition of stock exceeded anything for years; of horses, hogs and sheep it was never excelled in either county. In a word, our fair was a grand success. Free from all clap-trap shows, gaining devices, and similar experiences, it stood upon its own merits in the face of local opposition and prejudice, caused inadvertently at a previous fair, and the result was that exhibitors and visitors were all interested and delighted.

The entries were, comparing our present year with the past, as follows:

| CLASS. | ENTRIES FOR 1869 AND 1870. | | | INCREASE. |
|---|---|---|---|---|
| | ENTRIES. | 1869 | 1870 | |
| A, No. 1 | Horses for General Purposes | 41 | 68 | 27 |
| A, No 2 | Horses for Light Harness and Saddle | 27 | 35 | 8 |
| B, No. 1 | Jacks and Mules | 12 | 18 | 6 |
| B, No. 1 | Sweepstakes on Horses | 16 | 18 | 2 |
| B, No. 1 | Sweepstakes on Mules and Jacks | 2 | 6 | 4 |
| C, No. 1 | Cattle | 14 | 20 | 6 |
| C, No. 2 | Oxen, Fat Cattle and Steers | 7 | 3 | 4 |
| D, No. 1 | Hogs | 6 | 24 | 18 |
| E, No. 1 | Sheep | 12 | 17 | 5 |
| E, No. 2 | Sweepstakes on Sheep | 9 | 16 | 7 |
| F | Poultry | 6 | 9 | 3 |
| G | Dairy Products | 20 | 21 | 1 |
| H * | Jellies and Fruits | 8 | 10 | 2 |
| I | Grain Crops | 22 | 22 | 6 |
| J † | Roots and Vegetables | 37 | 37 | -- |
| K | Fruits and Flowers | 25 | 26 | 1 |
| L | Manufactured Articles | 29 | 38 | 9 |
| M | Agricultural Implements | 23 | 33 | 9 |
| N | Miscellaneous Articles | 43 | 51 | 8 |
| Unenumerated. | | 48 | 71 | 23 |

* This class it will be seen, from the premium list, covered a number of kinds, hence a single entry ranged from five to twenty-four different kinds of preserves and jellies, and was, as a whole, one of the finest exhibitions of this class ever displayed.

† In this class, for variety and size and general excellence of the vegetables, the display has rarely been equaled.

Digitized by Google

It will here be seen that the entries of the past season far exceeds those of the previous year, and the liberal premiums offered—to be increased the coming season—have had a beneficial effect. The officers of the society, from the many congratulations received were proud of the successful display, and will be untiring in their exertions to excel in the future. In fact, the spirit of rivalry evinced by our exhibitors of stock bids fair to make our next exhibition second to none in the State.

After paying all premiums and expenses in full, together with special awards, there is left a balance in our treasury of one hundred and twenty dollars and seventy-five cents, which will be used for the further improvement of our fair grounds during the coming summer, which, with the improvements now made, will render it one of the finest grounds for the purpose in the State.

The soil and timber of our county is good. Much walnut timber is being cut and shipped east, after cutting, for the purpose of manufacture into furniture. Our county is also rich in minerals—coal and iron abound in many localities, but the last report of Professor Cox, our State Geologist, has already proven this. Why is not the wealth of such counties as Fountain and Warren more fully developed?

OFFICERS.

J .W C. Shultz, President.
Wm. W. Ennis, Treasurer.
Geo. A. Pynchon, Secretary.

Respectfully,

George A. Pynchon, *Secretary.*

Digitized by Google

## FALL CREEK AGRICULTURAL SOCIETY.

The Secretary of the Fall Creek Agricultural Society submitted the following report:

*To the State Board of Agriculture:*

This society, which is a joint stock association, was organized in the year 1867, and has continued to hold fairs and sustain and encourage the agricultural and manufacturing interests of the district to the present time. The object of this report will be to note the progress of the society for 1870. At a meeting in January, proceedings were had and plans inaugurated, which resulted in the procuring of suitable grounds, consisting of twenty acres, to be fitted up for the annual exhibition of the socicty. About twelve acres have been surrounded by a good plank fence, seven feet high, with proper gates and entrances. The buildings within the grounds consist of three halls, two of them twenty by thirty feet, the other twenty by forty feet, an office, together with a number of cattle and horse stalls, sheep, hog pens, and such other fixtures as are common to such grounds. A track, one-third of a mile in circuit, was graded within the stock ring for the accommodation of equestrians, and for the exhibition of horses in harness and under the saddle. Three wells were sunk, walled and furnished with pumps, a dining hall, the main part forty-eight by eighteen feet, and an addition twelve by twenty-four feet, has been erected on the grounds.

The Board offered more cash premiums in the enumerated lists of a lower grade than they would have done under more flattering circumstances. The writer, however, is not partial to high premiums, but in lieu thereof would recommend an increase of the number to be awarded in lists where the competition is large and close. Have a first, second, third, and even a fourth premium where the funds and competion will justify.



Digitized by Google

The fair was held at Pendleton, Indiana, September 27th, 28th, 29th and 30th, 1870, and was highly creditable to all concerned. The competition and show in the stock department was very extensive and quite spirited, but will likely be still better next year. The weather was very fine, with the exception of one day, and the attendance much larger than was to be expected, as our advertisements were not sufficiently distributed. Exhibitors and visitors were all interested, and generally well satisfied. The entries were seven hundred and seventy-five. The amount of premiums awarded were eight hundred and fifty-five dollars and fifty cents. The receipts are as follows:

RECEIPTS.

| | |
|---|---|
| Entry fees on second entries | $100 00 |
| From eating stands, etc | 59 00 |
| Stall and pen rents | 51 50 |
| From membership and sale of tickets at fair | 740 60 |
| Advertisements in premium lists and rent of dining hall | 96 00 |
| Total | 1,047 10 |

EXPENDITURES.

| | | |
|---|---|---|
| Paid for lumber, work and materials in fitting up grounds | $218 00 | |
| Paid for premiums, help, and printing, at fair | 849 05 | |
| Which leaves a deficit of | | $20 23 |

Which is more than balanced by new subscriptions to our capital stock.

Our society will most likely put under good fence the remainder of its grounds next year, which will give us twenty acres of very fine grounds for a fair, and the track will be enlarged to a half mile.

The soil and timber is generally good, and of the varieties

Digitized by Google

common to the summit lands between White river and the Wabash. This timber is now being converted into sawed, split and hewn stuff for transportation for various purposes to which timber is applied. The trade and business in timber at this time, is very large, but we have no reliable data from which to state the amount.

New stock is all the time being subscribed to our lists, and by another year we will be on as good a footing as any society in the State—owning real estate to the value of twenty thousand dollars, with improvements on it to the value of one thousand five hundred dollars, and not one cent of debt.

Our capital stock is owned by enterprising men in the four counties of Henry, Hancock, Hamilton, and Madison, and it is their intention and determination to have as good a society, and as good fairs, as any district in our State.

I am yours, very respectfully,

CHARLES L. HENRY, *Secretary.*

OFFICERS.

HERVEY CRAVEN, President.
JAS. R. SILVER, Treasurer.
CHAS. S. HENRY, Secretary.

---

## FULTON COUNTY.

The Secretary of the Fulton County Agricultural Society submitted the following report:

ROCHESTER, IND., December 21, 1870.

*To the State Board of Agriculture:*

This society was organized August 15, 1857, and has held nine successful fairs.

In the year 1867 the lease for the ground used as fair grounds expired, the lumber and buildings were sold, and there has been no fair held since.

Digitized by Google

At the last meeting of the society, December 25, 1869, the subject of purchasing fair grounds was discussed, but owing to the almost entire failure of crops, and the scarcity of money, it was thought best to postpone the matter for the present.

The amount of funds in the hands of the treasurer is $41 89.

DANIEL AGNEW, *Secretary.*

---

## GRAND PRAIRIE AGRICULTURAL SOCIETY.

The Secretary of the Grand Prairie Agricultural Society submitted the following report:

*To the State Board of Agriculture:*

This society was organized in the year 1854, and has continued to hold fairs and sustain and encourage the agricultural and manufacturing interests of the county to the present time. The object of this report will be to note the progress of the Society for 1870. About ten acres have been surrounded by a good plank fence, seven feet high, with proper gates and entrances. The buildings within the grounds consist of two halls, one twenty by thirty feet, the other twenty by eighty feet, two offices, together with a number of cattle and horse stalls, sheep, hog pens, and such other fixtures as are common to such grounds. A track one-fourth of a mile in circuit was graded within the stock ring, for the accommodation of equestrians, and for the exhibition of horses in harness and under the saddle. Two wells were sunk and furnished with pumps, a dining hall, etc.

The Board offered more cash premiums in the enumerated lists of a lower grade than they would have done under more flattering circumstances. The writer, however, is not partial to high premiums, but in lieu thereof would recommend an

Digitized by Google

increase of the number to be awarded in lists where the competition is large and close. Have a first, second, third, and even a fourth premium where the funds and competition will justify.

The fair was held at Pine Village, September 13th, 14th, 15th, and 16th, and was highly creditable to all concerned. The competition and show in the stock department was extensive and spirited. The weather was very fine, and the attendance large. Exhibitors and visitors were all interested, and generally well satisfied. The entries were eight hundred and forty-two. The amount of premiums awarded were nine hundred and twenty-three dollars. The receipts are as follows:

RECEIPTS.

| | |
|---|---|
| From old fund | $ 62 00 |
| From County Treasurer—licenses of shows | 7 50 |
| From membership and sale of tickets at fair | 2,042 25 |
| Total | 2,111 75 |

EXPENDITURES.

| | | |
|---|---|---|
| Paid for lumber, work and materials in fitting up grounds | $240 00 | |
| Paid for premiums, help, and printing at fair | 1,238 00 | |
| Premiums awarded, not yet paid; estimated bills for work on grounds, etc., not yet settled, and amount paid on fair grounds. | 415 60 | |
| Which leaves a probable balance of | | 218 15 |

This balance will be spent in further improvements upon the fair grounds during the coming spring and summer, which, with improvements already made, will make it reasonably comfortable and convenient.

The soil of the district is generally good, and timber sufficient to supply home demands. The business of the district

Digitized by Google

is confined chiefly to grazing, feeding and raising stock, but we have no reliable data from which to state the amount.

As this Society is composed of different counties, embracing the Grand Prairie, we cannot state the number of acres of land placed upon the tax duplicate, and no statement of the amount cultivated. It is estimated that three-fourths of the land is cultivated in pasture, meadow or grain. The crops consist of corn, wheat, oats, buckwheat, vegetables, and all the grasses, and, with proper culture, are remunerative and satisfactory. The grasses, such as blue grass, timothy, clover and red top, grow in great luxuriance wherever they have any attention. The blue grass seems readily to take the pastures, and is one of the best grasses for pastures in early summer, fall and winter. We have no reliable data of the value of lands for taxation.

Our system of farming is not as thorough as it should be in many respects, but there is an active interest and a spirit of improvement in this regard. There should be more grass and better stock, fewer acres of corn, deeper tillage, and more thorough drainage. The latter is receiving special attention, and no enterprise of our citizens promises such advantages and important results to the agricultural wealth of our counties.

OFFICERS.

JAMES MATHERS, President.
DAVID FRAZIER, Treasurer.
RICHARD G. ODLE, Secretary.

RICHARD G. ODLE, *Secretary.*

Digitized by Google

## GIBSON COUNTY.

The Secretary of the Gibson County Horticultural and Agricultural Society submitted the following report:

*To the State Board of Agriculture:*

This society was organized in the year 1854, and has continued to hold fairs and sustain and encourage the agricultural and manufacturing interests of the county to the present time. The object of this report will be to note the progress of the Society for 1870. At the annual meeting in November, 1869, proceedings were had and plans inaugurated to make the fair of 1870 a success. Our Society have about fifteen acres surrounded by a good plank fence, seven feet high, with proper gates and entrances. The buildings within the grounds consist of two halls, one twenty by thirty feet, the other twenty by eighty feet, an office, together with a number of cattle and horse stalls, sheep, hog pens, and such other fixtures as are common to such grounds. A track one-third of a mile in circuit is graded within the stock ring, for the accommodation of equestrians, and for the exhibition of horses in harness and under the saddle. We have two wells within our grounds with pumps.

The Board offered more cash premiums in the enumerated lists of a lower grade than they would have done under more flattering circumstances. Our Society, however, is not partial to high premiums, but in lieu thereof would recommend an increase of the number to be awarded in lists where the competition is large and close. Have a first, second and third, and even a fourth premium where the funds and competition will justify.

The fair was held at Princeton, on the 11th, 12th, 13th, 14th, and 15th, of October, and was highly creditable to all concerned. The competition and show in the stock department was extensive and spirited, and the spirit of improvement is on the increase.

Digitized by Google

The weather was very fine, and the attendance much larger than was to be expected under all the surroundings. Exhibitors and visitors were all interested, and generally well satisfied. The entries were nine hundred and ninety-nine, and the amount of premiums awarded one thousand four hundred and fifty dollars. The receipts are as follows:

RECEIPTS.

| | |
|---|---|
| From old fund | $114 45 |
| From County Treasurer—licenses of shows | 130 00 |
| From membership and sale of tickets at fair | 3,120 40 |
| Total | 3,364 85 |

EXPENDITURES.

| | |
|---|---|
| Paid for lumber, work and materials in fitting up the grounds | 158 40 |
| Paid for premiums, help, and printing, at fair | 1,854 40 |

A number of other expenses were paid which are not enumerated above, and old debts paid, which leaves the Society clear of debt, and a balance on hand of four hundred and twenty-four dollars. The balance will be spent in further improvements upon the Fair Grounds during the coming spring and summer, which, with improvements already made, will make it reasonably comfortable and convenient.

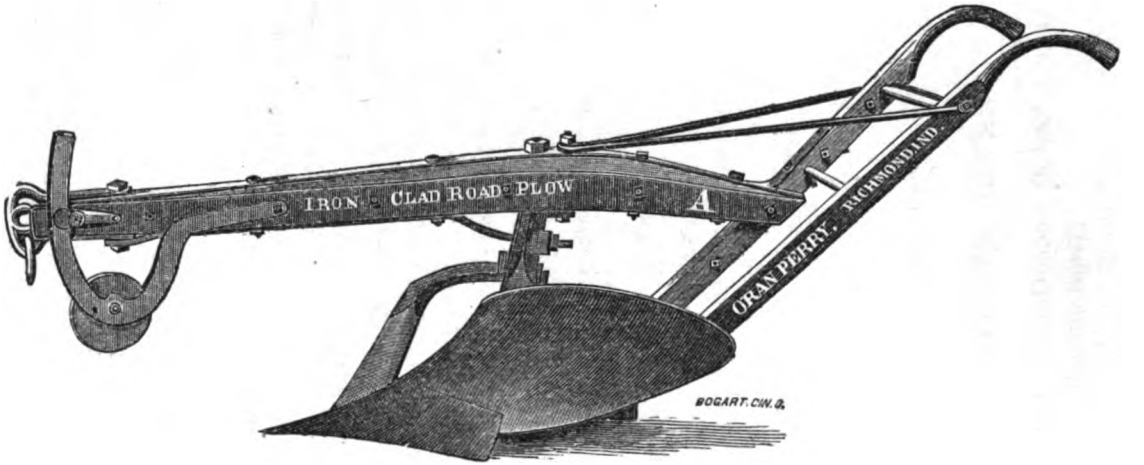
The soil and timber of the county is generally good. The timber is now being converted into sawed, split and hewn stuff for transportation, for various purposes to which timber is applied.

The trade and business in timber at this time is very large, but we have no reliable data from which to state the amount.

The interest formerly taken in fast horses during our fairs is rapidly dying out, and more interest is taken in what constitutes a real agricultural exhibition in the way of farm products, stock, &c.

The number of acres of land placed upon the tax duplicate is 290,044. There is no statement, however, of the amount

Digitized by Google




# RICHMOND ROAD PLOW.

**Manufactured and exhibited by ORAN PERRY, RICHMOND PLOW WORKS, Nos, 394, 396 and 398 Main Street, Richmond, Indiana.**

Digitized by Google

Digitized by Google

cultivated. The crops consist of corn, wheat, oats, buckwheat, vegetables and all the grasses, and with proper culture they are remunerative and satisfactory. The grasses, such as blue grass, timothy, clover and red top, grow in great luxuriance wherever they have any attention. The blue grass seems readily to take the pastures, and is one of the best grasses for pasture in early summer, fall and winter.

The value of lands for taxation is put down at $4,150,051, and the value of improvements $1,270,066, and the total value of taxables, including personal, $9,525,750. The actual value is probably $13,000,000, or more, in the county.

Our system of farming is not as thorough as it should be in many respects, but there is an active interest and a spirit of imporvement in this regard. There should be more grass and better stock, fewer acres of corn, deeper tillage, and more thorough drainage. The latter is receiving special attention, and no enterprise of our citizens promises such advantages and important results to the agricultural wealth of our county.

OFFICERS.

W. L. Dorsey, President.
Wm. Trippit, Treasurer.
John C. Holcomb, Secretary.

Respectfully,

J. C. Holcomb, *Secretary.*

---

## GOSPORT DISTRICT.

The Secretary of the Gosport District Agricultural Society submitted the following report:

*To the State Board of Agriculture:*

The Gosport District Agricultural Society would report to the State Board that they have organized a district agricultural society and elected officers, to wit:

Digitized by Google

OFFICERS.

W. H. FRITZ, President.
T. C. BEYLEY, Secretary.
J. M. STUCKY, Treasurer.
DR. J. WOODEN, Superintendent.

This district is composed of the counties of Owen, Monroe, Lawrence, Green, Clay, Putnam and Hendricks.

Said society held a fair, commencing on the 6th day of September, 1870, and continued five days, at the town of Gosport, Owen county.

The society paid out premiums to the amount of $2,000, while the entries amounted to about $800. The receipts for entries and gate fees were about equivalent to the premiums paid out, that is, $2,000.

This was the second fair of this organization, and we are satisfied that the society will do much good in advancing the agricultural interest of the county.

All of which is respectfully submitted,

W. H. FRITZ, *President.*

T. C. BEYLEY, *Secretary.*

---

## GRANT COUNTY.

The Secretary of the Grant County Agricultural Society submitted the following report:

*To the State Board of Agriculture:*

This society was organized in the year 1853, and has continued to hold fairs and sustain and encourage the agricultural and manufacturing interests of the county to the present time. During the past summer we have built new halls upon our fair grounds, added largely to our stalls and pens for the exhibition of stock, and made many other lesser improvements

Digitized by Google

to add to the comfort and convenience of exhibitors. Our grounds consist of twelve acres, enclosed with a good plank fence, and is well supplied with water and shade trees. Within the stock ring we have a large half-mile track, graded and in good condition for the exhibition of horses in harness or under the saddle, or the accommodation of equestrians. The society paid larger premiums this year than we have ever before. The number of entries was the largest we have ever had and the competition in all departments more extensive and spirited than usual at our county fairs.

The fair was held at Marion, September 14th, 15th, 16th and 17th, and was highly creditable to all concerned. The weather was very fine and the attendance much larger than was to be expected under all surroundings. Exhibitors and visitors were all interested and generally well satisfied. The entries were 626; the amount of premiums awarded, $800.

The receipts are as follows:

RECEIPTS.

| | | |
|---|---|---|
| From old fund... | $225 | |
| From County Treasurer—licenses shows..... | 50 | |
| From membership and sale of tickets at fair... | 1,150 | |
| Total..... | | 1,425 |

EXPENDITURES.

| | | |
|---|---|---|
| Paid for lumber, work and material in fitting up grounds..... | $275 | |
| Paid for premiums, help and painting fence.... | 925 | |
| | | $1,200 |
| Which leaves probable balance..... | | $225 |

The soil and timber of the county is generally good and of the varieties common to the valley lands of the Mississinewa river and the summit lands between White river and the Wabash. Large quantities of black walnut, yellow poplar,

Digitized by Google

oak and other timber are now being converted into sawed, split and hewn stuff for transportation for the various purposes for which timber is applied. The lumber business makes a large item in the local business of our railroads, but we have no reliable data from which to state the amount.

The crops consist of corn, wheat, oats, rye, barley, vegetables and all the grasses, timothy, clover and red top. For both early and late pasture the blue grass is a great favorite with our farmers.

The value of lands for taxation is put down at $3,151,675; value of improvements, $644,115; total value of taxables, including personal, $5,757,840. The actual value is probably $18,000,000 or more in the county.

Our system of farming is rapidly improving and promises important results to the agricultural wealth of our country. A better grade of stock is being introduced on most every farm in the county. Deep tillage and thorough drainage are fast becoming the rule of our farmers, and can but result in great advantages to our farming interests.

OFFICERS.

HENRY SHUGART, President.
JOHN ROGERS, Vice President.
D. P. CUBBERLY, Secretary.
JOHN N. TURNER, Treasurer.

D. P. CUBBERLY, *Secretary.*

---

## HUNTINGTON COUNTY.

The Secretary of the Huntington County Agricultural Society submitted the following report:

*To the State Board of Agriculture:*

The object of this report will be to note the progress of the society for 1870.

Digitized by Google

The grounds belong to the Society, and were fitted up in excellent style for the annual exhibition of 1870.

Twenty-five acres have been surrounded by a good pine fence, seven feet high, with proper gates and entrances.

The buildings within the grounds consist of a floral hall twenty-four by eighty feet, with wing twenty-four by forty feet, thereby forming the right angle of an oblong square; one vegetable hall twenty by fifty feet, three dining halls fourteen by thirty-five feet each, an office, together with an ample number of horse and cattle stalls, sheep and hog pens, refreshment stands, amphitheatre, judges' stand, a track one half of a mile in circuit that cannot be surpassed for the accommodation of equestrians and for the exhibition of horses in harness and under the saddle; two wells with pumps, spring branch running through the grounds, splendid grove of shade trees, *et cetera.*

The fair was held at Huntington, September 27th, 28th, 29th, 30th, and October 1st, and was highly creditable to all concerned. The competition and show in the stock department was extensive and spirited.

The weather, with the exception of one day, was very fine, and the attendance much larger than was expected.

Exhibitors and visitors were all interested and generally well satisfied. The entries were 697. The amount of premiums awarded were $867.50. Total receipts from all sources during fair were $2,009.43.

The soil and timber of the county is generally good and of varieties common to the summit lands. This timber is now being converted into sawed, split and hewn stuff for transportation for various purposes. The trade and business in timber is very large. The number of acres of land placed upon the tax duplicate is 238,662. It is estimated that one half of this is cultivated in pasture meadow or grain. The crops consist of wheat, corn, oats, buckwheat, vegetables and all the grasses. The grasses, such as blue grass, timothy, clover and red top, grow in great luxuriance wherever they have any attention. The blue grass seems to be the best grass for pasture in early summer and fall.

Digitized by Google

The value of lands for taxation is put down at $2,171,880; and the value of improvements $713,685. And total value of taxables, including personal, $4,545,115. The actual value is probably $13,635,345 in the county.

Our system of farming is not as thorough as it should be in many respects, but there is an active interest and spirit of improvement in this regard.

There should be more grass and better stock, deeper tillage and more thorough drainage. The latter is receiving more attention, and no enterprise of our farmers promises a more important result to the agricultural wealth of our county.

Respectfully,

ROBERT SIMONTON, *Secretary.*

The following is a statement of the number of entries and awards made at our second exhibition:

LIVE STOCK DEPARTMENT.

| STOCK. | No. Entries. | Am'nt Paid. |
|---|---|---|
| Horses for general purposes | 51 | $100 00 |
| Horses for light harness | 39 | 87 00 |
| Trotting and pacing horses | 5 | 8 00 |
| Saddle horses | 8 | 10 00 |
| Walking horses | 4 | 8 00 |
| Heavy draught horses | 3 | 10 00 |
| Horses sweepstakes | 12 | 20 00 |
| Mules and Jacks | 5 | 21 00 |
| Thoroughbred cattle | 9 | 50 00 |
| Graded cattle | 6 | 34 00 |
| Work oxen and bullocks | 2 | 6 00 |
| Cattle sweepstakes | 6 | 30 00 |
| Swine | 35 | 52 00 |
| Swine sweepstakes | 9 | 10 00 |
| Fine wool sheep | 8 | 18 00 |
| Long wool sheep | 11 | 12 00 |
| Middle wool sheep | 8 | 15 00 |
| Total | 221 | $492 00 |

Digitized by Google

## AGRICULTURAL DEPARTMENT.

| ARTICLES. | No. Entries. | Am'nt Paid. |
|---|---|---|
| Vegetables | 68 | $23 50 |
| Grain and seeds | 50 | 9 00 |
| Field crops | 2 | |
| Total | 120 | $32 50 |

## MECHANICAL DEPARTMENT.

| ARTICLES. | No. Entries. | Am'nt Paid. |
|---|---|---|
| Wagons, carriages, etc | 23 | $41 00 |
| Manufactured articles | 24 | 28 00 |
| Total | 47 | $69 00 |

## DOMESTIC DEPARTMENT.

| ARTICLES. | No. Entries. | Am'nt Paid. |
|---|---|---|
| Miscellaneous articles | 85 | $17 50 |
| Fruit | 16 | 9 00 |
| Fowls | 17 | 6 00 |
| Manufactured by hand | 11 | 11 50 |
| Manufactured at Woolen Factory | 8 | 2 00 |
| Fancy needle work, tetting, etc | 59 | 29 50 |
| Needle work, millinery, etc | 24 | 25 00 |
| Flowers | 13 | 10 00 |
| Total | 228 | $110 50 |

Digitized by Google

MISCELLANEOUS DEPARTMENT.

| ARTICLES. | No. Entries. | Am't Paid. |
|---|---|---|
| Paintings, etc | 35 | $12 00 |
| Fruit dryers | 1 | 5 00 |
| Miscellaneous articles | 32 | 1 50 |
| Equestrienne | 5 | 45 00 |
| Trotting and pacing, best two in three, mile heats | 8 | 100 00 |
| Total | 81 | $163 50 |

RECAPITULATION.

| | |
|---|---|
| Whole number of entries | 897 |
| Total amount of premiums paid | $967 50 |

OFFICERS.

P. W. ZENT, President.
DANIEL KITCH, Treasurer.
ROBERT SIMONTON, Secretary.

Respectfully,

P. W. ZENT, *President.*
ROBERT SIMONTON, *Secretary.*

## HENRY COUNTY UNION AGRICULTURAL SOCIETY.

The Secretary of the Henry County Union Agricultural Society, composed of the counties of Henry, Rush and Hancock, would respectfully submit the following report for 1870:

KNIGHTSTOWN, IND., December 12, 1870.

*To the State Board of Agriculture:*

The society held its eighteenth annual fair at Knightstown, Henry County, on the 30th and 31st days of August, and 1st and 2d days of September.

Digitized by Google

The fair was very largely attended, and the interest manifested by the members of the society, as well as by the people, was such as to warrant the belief that our society stands high in the estimation of the community, and speaks well for the interest the people in this part of the State take in mechanical and agricultural pursuits.

OFFICERS.

J. WARD WALKER, President.
M. N. BUNDY, Vice President.
TILGHMAN FISH, Treasurer.
GORDON BALLARD, Secretary.
J. A. ALLISON, Superintendent.

ENTRIES.

| | |
|---|---|
| Horses | 148 |
| Cattle | 45 |
| Agricultural, fruit, and dairy | 293 |
| Mechanical | 173 |
| Needle work | 242 |
| Other premiums | 234 |
| Miscellaneous | 108 |
| Total | 1,242 |

| | |
|---|---|
| Premiums offered | $2,685 50 |
| Awarded | 2,491 00 |
| Now paid out | 2,481 50 |
| Balance not paid | 9 50 |

RECEIPTS.

| | |
|---|---|
| From old fund on hand | $773 69 |
| From sale of tickets at office | 2,331 46 |
| From Secretary on per cent | 422 90 |
| From stock gate | 436 94 |
| From Superintendent, for refreshment stands, stalls, shows, etc. | 930 50 |
| Total received | $4,895 49 |



Digitized by Google

EXPENDITURES.

| | | |
|---|---|---|
| Paid for lumber | $460 00 | |
| Paid for work on track | 150 00 | |
| Paid for work on other improvements | 730 00 | |
| Paid on premiums | 2,481 50 | |
| All other expenses | 1,053 00 | |
| Total expended | | $4,874 50 |
| Probable balance | | $20 99 |

This society was organized in the year 1853, and has continued to hold fairs, and sustain and encourage the agricultural and manufacturing interests of the district to the present time. The object of this report will be to note the progress of the society for 1870.

At the annual meeting in January, proceedings were had and plans inaugurated which resulted in the leasing of suitable grounds adjoining the corporation of Knightstown, on the north, for the term of five years, with the privilege of holding said grounds for the term of ten years or longer, which was fitted up for the annual exhibition of the society. About eighteen acres have been surrounded by a good plank fence, seven feet high, with proper gates and entrances. The buildings within the grounds consist of four halls, office, stands, etc., together with a great number of cattle and horse stalls, sheep and hog pens, four wells of good water, and such other fixtures as are common to such grounds. A track one-half mile in length, graded in open ground outside the stock ring.

This society is working without a charter; every voter at State elections, living within this agricultural district, is a voter at our agricultural elections. The object of this society is to pay the proceeds of their annual fairs to the exhibitors after all necessary expenses are paid.

This society probably pays premiums on more articles than any fair in the State, *except* the State fair.

GORDON BALLARD,
*Secretary.*

Digitized by Google

## HENDRICKS COUNTY.

The Secretary of Hendricks County Agricultural Society submitted the following report:

*To the State Board of Agriculture:*

This society was organized in the year 1852 and has continued to hold fairs and sustain and encourage the agricultural and manufacturing interests of the county to the present time. The object of this report will be to note the progress of the society for 1870. We hold eight acres of land in fee simple, surrounded by a good plank fence, seven feet high, with proper gates and entrances. The buildings within the grounds consist of two halls, one twenty by thirty feet, the other twenty by eighty feet, amphitheatres, an office, together with a number of cattle and horse stalls, sheep and hog pens, and such other fixtures as are common to such grounds. A track one-fourth of a mile in circuit was graded within the stock ring, for the accommodation of equestirans and for the exhibition of horses in harness and under the saddle. Three wells were sunk, walled and furnished with pumps, a dining hall, etc.

The fair was held at Danville, August 30th and 31st and September 1st and 2d, and was highly successful. The competition and show in the stock department were excellent, there being fifteen entries for a single premium, and more than ten for many. The weather was very fine and the attendance much larger than was to be expected under all the surroundings. Exhibitors and visitors were all interested and generally well satisfied. The entries were 622; the amount of premiums awarded, $1,229.

The receipts are as follows:

RECEIPTS.

| | | |
|---|---|---|
| From County Treasurer—licenses of shows | $90 00 | |
| From membership and sale of tickets at fair | $1,518 70 | |
| Total | | $1,606 70 |

Digitized by Google

EXPENDITURES.

| | | |
|---|---|---|
| Paid for lumber, work and materials in fitting up grounds | $197 16 | |
| Paid for premiums, help and printing at fair | 1,203 64 | |
| | | $1,400 80 |
| Which leaves probable balance | | $206 90 |

The balance will be spent in further improvement upon the fair grounds during the coming spring and summer, which, with the improvement already made, will make it reasonably comfortable and convenient.

The soil and timber of the county are generally good, and of the varieties common to the summit lands between White River and the Wabash. This timber is now being converted into sawed, split and hewn stuff for transportation for various purposes to which lumber is applied.

The trade and business in timber is very large, but we have no reliable data from which to state the amount.

The crops consist of corn, wheat, oats, buckwheat, vegetables and all the grasses, and with proper culture are remunerative and satisfactory. The grasses, such as blue grass, timothy, clover and red top grow in great luxuriance wherever they have any attention. The blue grass seems readily to take the pastures, and is one of the best grasses for pastures in early summer, fall and winter.

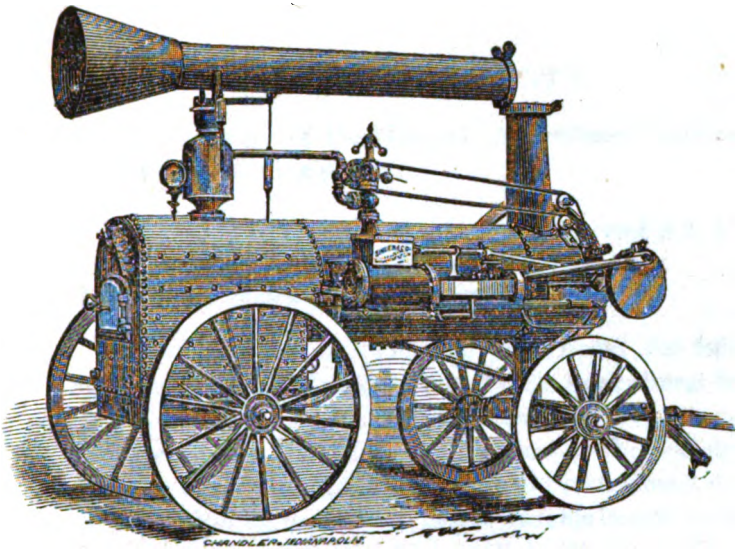
Our system of farming is not as thorough as it should be in many respects, but there is an active interest and a spirit of improvement in this regard. There should be more grass and better stock, fewer acres of corn, deeper tillage, and thorough drainage. The latter is receiving special attention.

OFFICERS.

FRANK HAYNES, President.
JOHN V. HADLEY, Secretary.
JOHN H. LEWIS, Treasurer.

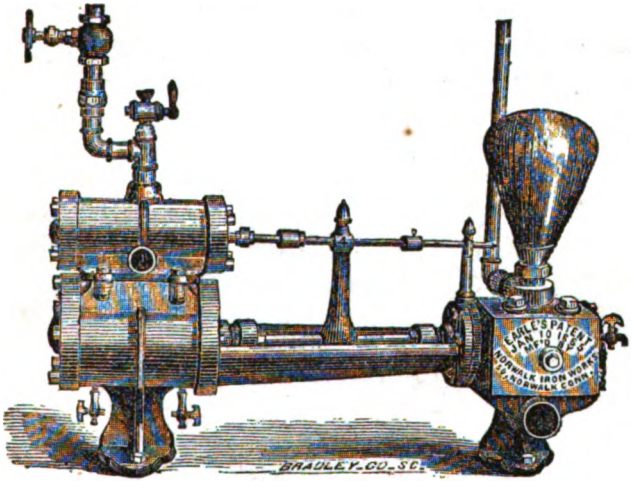
JOHN V. HADLEY, *Secretary.*

Digitized by Google



## PORTABLE ENGINE.

**Exhibited by SINKER & DAVIS, Indianapolis.**



## STEAM PUMP.

**Exhibited by SINKER & DAVIS, Indianapolis.**

Digitized by Google

Digitized by Google

## HANCOCK COUNTY.

The Secretary of the Hancock Agricultural Society submitted the following report:

GREENFIELD, INDIANA, November 1, 1870.

*To the State Board of Agriculture:*

I have the honor to submit to your Board the following brief report of the Hancock Joint Stock Agricultural Society for the present year, including a short sketch of the county.

Some time in March last the Directors of the Society, feeling that our premiums had ranged too low, almost doubled the same, hoping to realize a proportionable benefit to the Society, by an increased interest on the part of exhibitors and citizens generally. This advance step had a beneficial effect, and warrants the Society in a still greater increase in premiums for our future exhibitions.

The total number of entries was seven hundred and sixty-eight, with one hundred and thirty-four of all classes of horses, being the largest and best exhibition, in this department, we have ever had.

RECEIPTS.

| | |
|---|---|
| From sale of tickets | $660 00 |
| From per cent. on entries | 176 00 |
| From stands, stalls, and gates | 350 00 |
| From all other sources | 56 00 |
| Total | 1,242 00 |

EXPENDITURES.

| | |
|---|---|
| Premiums awarded | 877 00 |
| Premiums paid | 877 00 |
| Premiums offered | 1,500 00 |
| Amount received over premiums | 365 00 |

Digitized by Google

The attendance during the fair was larger than usual, and the interest manifested was commendable to our citizens. All things considered, our last fair was a decided success, and strong hopes are now entertained that in a very short time our exhibitions will not be behind those of neighboring societies.

OFFICERS.

JOHN H. WHITE, President.
WESLEY ELLIS, Vice-President.
JAMES H. CARR, Secretary.
J. WARD WALKER, Treasurer.
CALVARY G. SAMPLE,
Director for Eastern District.
WESLEY ADDISON,
Director for Middle District.
EPHRAIM THOMAS,
Director for Western District.

The society was organized in 1852, and has held eighteen annual fairs, paying all its premiums without discount, except in one or two instances. It has done much to foster and build up the agricultural and mechanical interests of our county, and to-day we are far in advance of what we would have been had it not been for the efforts of the Society, and a few public-spirited citizens, who have been its back-bone. But I am sorry to say that the material assistance given to this important interest has not been appreciated, or properly reciprocated, by many of our citizens. A brighter future, however, awaits us, and we feel confident that we are to have the active support of many who have not heretofore given us their countenance.

The grounds of the society, twelve acres, are beautifully situated half a mile east of Greenfield, on the hights of Brandywine, and, of course, are high and dry. They have a sufficient quantity of timber to afford a pleasant shade for man and beast, the whole being set in blue grass and timothy. The buildings are all good and substantial, and of the

Digitized by Google

modern style, consisting of an octagon floral hall, about sixty feet in diameter, and the necessary buildings for officers and committees, with a number of excellent booths, including a large number of stalls for horses and cattle, and pens for sheep and hogs.

The time track is one-third of a mile in circumference, and is well graded and arranged for the trial of speed. Arrangements are in process for increasing the track to half a mile. The ground is well situated to make it a fine track, equal, if not superior, to any of our neighboring fairs. In the future more attention will be given to this branch, and larger premiums will be offered, including a much wider range.

Our last fair was held on the 20th to the 23d of September, inclusive, and notwithstanding the fact that it was the time for the bad weather, incident to the sun crossing the line, the weather was really fine and pleasant.

To accommodate the citizens of our township, not holding much stock, the society ordered the books to be opened for an increase of stock (valued at $12 per share). This step, it is confidently anticipated, will add much to the future prosperity and usefulness of the society.

### IMPROVEMENTS.

A thorough and systematic system of draining our wet and marshy lands by means of open ditches and underdraining with tile, is going on in all parts of our county very extensively, and farmers have already reaped a golden harvest for their extra labor and expense thus far, besides measurably decreasing that worst of pests, fever and ague, incident to the malaria of swamps and wet lands. We have twelve excellent tile factories in the county, and all of them find a ready sale for all they can make. A ride through the several townships of our county will satisfy any one of the great benefit derived from open and tile drains. In many places that I have visited, where a few years ago it was one vast sea of water in the spring and fall, there are now valuable fields of wheat and corn, the increased quantity of grain

Digitized by Google

per acre, over undrained lands, in one year, amply paying all expenses of drainage. From being heretofore considered "an out county," Hancock is fast assuming an agricultural importance, second to none in Eastern Indiana, in the quantity and fertility of her soil, and the vastness of her products, cereals and stock. I am not saying too much when I say that, taken altogether, we have a better body of land for all purposes for the agriculturalist than can be found in Fayette or Rush counties, not excluding the farmers of White Water Valley. We have some as fine landscape views as can be found anywhere. Notwithstanding these facts, our lands are yet very cheap, much cheaper than they ought to be, considering their great fertility, and their close proximity to the commercial centers of the country by means of the several railroads traversing the county from East to West.

We have also a large number of pikes constructed and being constructed—six or seven centering in Greenfield It is probable that, on the whole, we have two hundred and fifty miles of completed pikes, and half as much in process of completion. Where, a few years ago, all was mud and water we now have substantial roads and inexhaustible fields for the cultivation of the cereals. The immense sums of money spent in the improvement alluded to is keeping our people poor, and prevents the necessary improvements in dwellings, barns, etc.

Greenfield, our country seat, has made many valuable improvements in the last two years in business houses, dwellings, streets and sidewalks. We have just completed as fine and commodious a school house as can be found in any part of the State. It is located on three acres of ground at the western side of the town, and will accommodate at least six hundred pupils. It presents a fine view as you enter town, especially on the railroad.

The number of acres of land upon the the tax duplicate is 190,896, exclusive of town plats and land not taxed. The value of lands is estimated at $7,635,840; value of improvements at $1,475,630; value of personal property, $3,160,000. Total, $12,271,470. The actual value is about $18,000,000.

Digitized by Google

To people wanting good homes, on lands easily and profitably cultivated, Hancock county presents, at this time, a fine field for safe and judicious investments. The acreage will sustain comfortably treble our present population. Water is abundant and of the best kind, and stock of all kinds can be cared for without much labor. The society is good, and school houses and churches are dotted in all parts of the county. We welcome all good citizens to our midst.

Yours respectfully,

JAMES H. CARR, *Secretary.*

---

## HOWARD COUNTY.

The Secretary of the Howard County Agricultural Society submitted the following report:

*To the State Board of Agriculture:*

This Society was organized in the year 1865, and has continued to hold fairs and sustain and encourage the agricultural and manufacturing interests of the county to the present time. The object of this report will be to note the progress of the Society for 1870. At the annual meeting in January, proceedings were had and plans inaugurated which resulted in the leasing of suitable grounds for the term of ten years, to be fitted up for the annual exhibition of the society. About six acres have been surrounded by a good plank fence, seven feet high, with proper gates and entrances. The buildings within the grounds consist of two halls, one twenty by thirty feet, the other twenty by eighty feet, an office, together with a number of cattle and horse stalls, sheep and hog pens, and such other fixtures as are common to such grounds. A track one fourth of a mile in circuit was graded within the stock ring for the accommodation of equestrians, and for the exhibition of horses in harness and under the saddle. Three

Digitized by Google

wells were sunk, walled and furnished with pumps, a dining hall, etc.

The Board offered more cash premiums in the enumerated lists of a lower grade than they would have done under more flattering circumstances.

The fair was held at New London, September 21st, 22d, 23d and 24th, and was highly creditable to all concerned. The competition and show in the stock department was not as extensive and spirited as it should have been, but this will not be likely to occur next year. The weather was very fine and the attendance much larger than was to be expected under all the surroundings. Exhibitors and visitors were all interested and generally well satisfied. The entries were 800 The amount of premiums awarded $997.30. The receipts are as follows:

RECEIPTS.

| | |
|---|---|
| From old fund | $21 24 |
| From County Treasurer—licenses of shows | 141 75 |
| From membership and sale of tickets at fair | 795 30 |
| Total | $958 29 |

EXPENDITURES.

| | |
|---|---|
| Paid for lumber, work and materials in fitting up grounds | $159 68 |
| Paid for premiums, help, and printing at fair | 112 75 |
| Premiums awarded, not yet paid; estimated bills for work on grounds, etc., not yet settled | 36 70 |
| Total | $309 13 |

The balance will be spent in further improvements upon the fair grounds during the coming spring and summer, which with improvements already made will make it reasonably comfortable and convenient.

Digitized by Google

The soil and timber of the county is generally good, and of the varieties common to the summit lands between White river and the Wabash. This timber is now being converted into sawed, split and hewn stuff for transportation, for various purposes to which timber is applied.

The trade and business in timber, at this time is very large, but we have no reliable data from which to state the amount.

The number of acres of land placed upon the tax duplicate is 185,655. There is no statement, however, of the amount cultivated. It is estimated that one-half of this is cultivated in pasture, meadow or grain. The crops consist of corn, wheat, oats, buckwheat, vegetables and all the grasses, and with proper culture are remunerative and satisfactory. The grasses, such as blue grass, timothy, clover and red top, grow in great luxuriance wherever they have any attention. The blue grass seems readily to take the pastures, and is one of the best grasses for pastures in early summer, fall and winter.

The value of lands for taxation is put down at $2,325,265, and the value of improvements $901,530, and total value of taxables, including personal, $5,287,500. The actual value is probably $15,000,000, or more, in the county.

Our system of farming is not as thorough as it should be in many respects, but there is an active interest and a spirit of improvement in this regard. There should be more grass and better stock, fewer acres of corn, deeper tillage, and more thorough drainage. The latter is receiving special attention, and no enterprise of our citizens promises such advantages and important results to the agricultural wealth of our county.

OFFICERS.

S. J. SCHOOLEY, President.
ELI CARTER, Treasurer.
J. JOHNSON, Secretary.

Respectfully,

J. JOHNSON, *Secretary*.

Digitized by Google

## HAMILTON COUNTY.

The Secretary of the Hamilton County Agricultural, Mechanical and Horticultural Joint Stock Association submitted the following report:

*To the State Board of Agriculture:*

This society was organized in the year 1870, and sustains and encourages the Agricultural and manufacturing interests of the country. The object of this report will be to note the progress of the society for 1870. At the annual meeting in March, proceedings were had and plans inaugurated which resulted in the leasing of suitable grounds for the term of ten years, to be fitted up for the annual exhibition of the society. Abont twelve acres have been surrounded by a good plank fence, seven and eight feet high, with proper gates and entrances. The buildings within the grounds consist of two halls, one twenty by forty feet, the other twenty by sixty feet, an office, together with a number of cattle and horse stalls, sheep and hog pens, and such other fixtures as are common to such grounds. A track one-third of a mile in circuit was graded within the stock ring, for the accommodation of equestrians, and for the exhibition of horses in harness and under the saddle. Three wells were sunk, walled and furnished with pumps, a dining hall, etc.

The Board offered more cash premiums in the unenumerated lists of a lower grade than than they would have done under more flattering circumstances.

The fair was held at Cicero, September 27th, 28th, 29th and 30th, and was highly creditalbe to all concerned. The competition and show in the stock department was extensive and spirited. The weather was very fine and the attendance much larger than was to be expected under all the surroundings. Exhibitors and visitors were all interested and generally well satisfied. The entries were 507; the amount of premiums awarded, $1,400.

The receipts are as follows:

Digitized by Google

RECEIPTS.

| | | |
|---|---|---|
| Stock subscriptions | $3,000 00 | |
| County Treasurer—liceenses of shows | 60 00 | |
| Sale of tickets at fair and refreshment stands | 1,601 12 | |
| Total | | $4,661 12 |

EXPENDITURES.

| | | |
|---|---|---|
| Paid for lumber, work and material in fitting up grounds | $2,800 00 | |
| Paid for premiums, help and printing at fair | 1,700 00 | |
| Total | | $4,500 00 |
| Which leaves probable balance | | $161 00 |

This balance will be spent in further improvements upon the fair grounds during the coming spring and summer, which, with improvements already made, will make it reasonably comfortable and convenient.

The soil and timber of the county are generally good, and of the varieties common to the summit lands between White river and the Wabash. This timber is now being converted into sawed, split and hewn stuff for transportation, for various purposes to which timber is applied.

The trade and business in timber at this time is very large, but we have no reliable data from which to state the amount.

The number of acres of land placed upon the tax duplicate is 256,000. There is no statement, however, of the amount cultivated. It is estimated that one-half of this is cultivated in pasture, meadow or grain. The crops consist of corn, wheat, oats, buckwheat, vegetables and all the grasses, and with proper culture are remunerative and satisfactory. The grasses are timothy, clover and red top, and grow in great luxuriance wherever they have any attention. The blue grass seems readily to take, and is one of the best grasses for pastures in early summer, fall and winter.

Digitized by Google

The value of lands for taxation is put down at $4,077,073, and the value of improvements $1,299,598, and the total value of taxables, including personal, $6,381,786. The actual value is probably $10,000,000, or more, in the county.

Our system of farming is not as thorough as it should be in many respects, but there is an active interest and a spirit of improvement in this regard. There should be more grass and better stock, fewer acres of corn, deeper tillage, and more thorough drainage. The latter is receiving some attention, and no enterprise of our citizens promises such advantages and important results to the agricultural wealth of our county.

OFFICERS.

J. M. Bray, President.
Peter Cardwell, Treasurer.
L. O. Clifford, Secretary.

Respectfully,

L. O. Clifford, *Secretary.*

---

## HARRISON COUNTY.

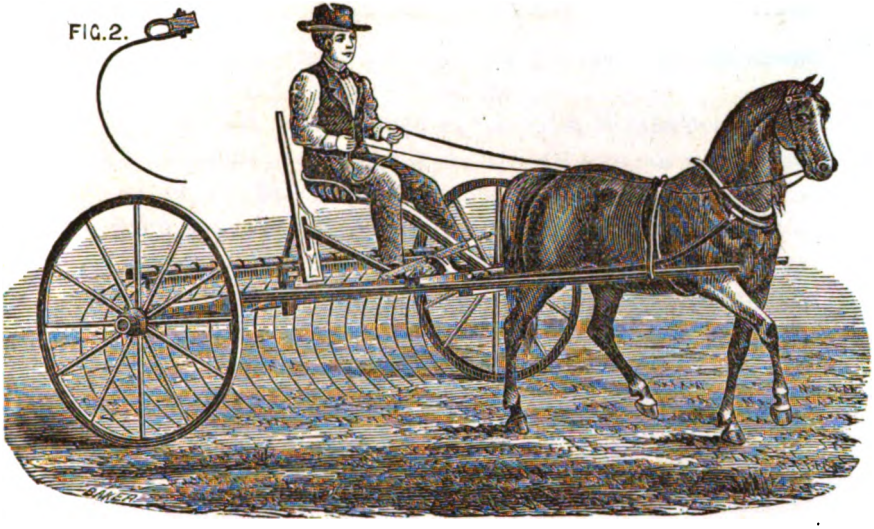
The Secretary of the Harrison County Agricultural Society submitted the following report:

*To the State Board of Agriculture:*

The Agricultural Society of this county was organized in the spring of 1860, and held the first fair in the following September. It has since had a prosperous career, being enabled to hold annual exhibitions from the commencement. The grounds of the Society comprise nearly thirty acres, substantially enclosed, finely watered by noble springs, and having a commodious hall for the display of manufactures, grains, fruits, etc., an exhibition ring, partly surrounded by an amphitheater, an excellent half-mile track, stalls and pens for

Digitized by Google

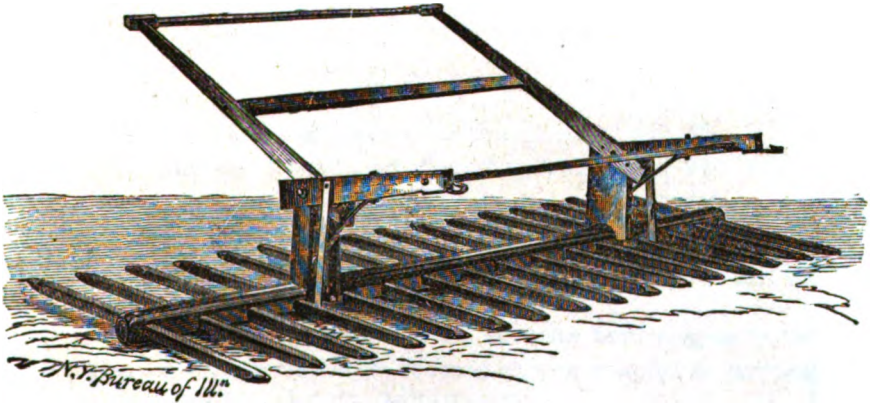
FIG. 2.



FURST & BRADLEY'S

# SULKY HAY RAKE.

Exhibited by H. J. PRIER, Indianapolis.




# TIFFIN HORSE HAY RAKE.

Exhibited by J. GEO. STILZ, Indianapolis.

Digitized by Google

Digitized by Google

stock, and other improvements, costing in the aggregate about seven thousand five hundred dollars.

The eleventh fair was held at Corydon, September 13th to 16th, inclusive, and was in some respects superior to any that preceded it. The general expression of exhibitors and visitors implied a good degree of satisfaction with the official management and conduct of the fair. For the first time since the organization of the Society, the experiment was tried of reducing the entry fees, which proved to be beneficial, and eminently popular, among all interested. It is believed, by the writer, to be advisable to abolish, in the future, all entry fees.

The following statistics show at a glance a business view of the last fair and present condition of the Society:

| | |
|---|---|
| Amount of premiums offered | $1,500 00 |
| Number of entries | 632 |

RECEIPTS.

| | | |
|---|---|---|
| From old fund | $368 41 | |
| From County Treasurer—licenses of shows | 25 00 | |
| Sale of grass crop and pasturage | 197 00 | |
| Sale of tickets at fair | 1364 14 | |
| Entry fees, licenses, etc | 459 35 | |
| Total | | $2,413 90 |

EXPENDITURES.

| | | |
|---|---|---|
| Premiums paid and expense of fair | $1,516 68 | |
| For fitting up grounds, printing, etc | 300 54 | |
| Total | | 1,817 22 |
| Leaving balance on hand | | 596 68 |

Harrison, being in the tier of counties bordering upon the Ohio river, has not been deemed as well adapted to farming as other portions of the State, but the soil may be considered reasonably good. In the crops produced, wheat and corn

Digitized by Google

largely predominate, and great quantities of these staples, together with flour manufactured in the county, are sent to distant markets. A system of mixed husbandry generally prevails, and perhaps no crop that grows in the North is entirely neglected.

The official records of the county show a territory of three hundred and three thousand acres of land. The value of lands for taxation is put down at two million five hundred and forty-two thousand three hundred and fifty dollars, and the value of improvements five hundred and thirteen thousand and ten dollars, and total number of taxables, including personal, four million nine hundred and eighty-seven thousand four hundred and sixty-five dollars. The actual value is probably nine million five hundred thousand dollars or more in the county.

OFFICERS.

DAVID JORDAN, President.
THOMAS MCGRAIN, Treasurer.
SAMUEL B. LUCKETT, Secretary.

Very respectfully,

SAMUEL B. LUCKETT, *Secretary.*

---

## JOHNSON COUNTY.

The Secretary of the Johnson County Agricultural Society submitted the following report:

FRANKLIN, IND., December 18, 1870.

*To the State Board of Agriculture:*

I have the honor to submit the following report of the Johnson County Joint Stock and Agricultural Association for the year 1870.

The annual fair for 1870 was held on the grounds of the society at Franklin, September 20th, 21st, 22d, 23d and 24th.

The total number of entries was 1,682.

Digitized by Google

RECEIPTS.

| | | |
|---|---|---|
| Gate receipts | $2,172 88 | |
| Entry fees | 512 60 | |
| Shows, stands, etc | 233 50 | |
| Dining hall rent | 102 00 | |
| Total receipts | | $3,020 08 |

EXPENDITURES.

| | |
|---|---|
| Premiums paid | 2,126 45 |
| Amount received over premiums paid | $894 23 |
| Premiums awarded | 2,126 45 |
| Premiums offered | 4,000 00 |

The attendance during the fair was very large. During Thursday and Friday seven thousand people were in attendance. The fair was pronounced by all present to be the best ever held in the county.

OFFICERS.

Caleb B. Tarlton, President.
Zack Webb, Vice President.
W. S. Ragsdale, Treasurer.
R. T. Taylor, Recording Secretary.
Cas Byfield, Corresponding Secretary.
W. L. Dunlap, General Superintendent.

GROUNDS, BUILDINGS, TRACK, ETC.

The grounds consist of thirty acres of beautiful shaded land, purchased by the society at a cost of three thousand dollars.

The buildings consist of a miscellaneous hall, thirty by one hundred feet; a floral hall (octagon) forty by forty feet; an amphitheater, one hundred feet long by thirty feet deep, with a promenade ten feet wide in the rear; a dining hall, seventy-five by thirty feet; two Judge's stands, and two hundred stalls.



Digitized by Google

The buildings are substantial frames, set upon stone foundations and all covered by shingle roofs, and cost the society nine thousand five hundred dollars.

The track is one-half mile long and forty feet wide, and is among one of the best in the State.

Our organization is a joint stock one, and has one hundred members.

The society feels very much gratified with their success, having expended ten thousand dollars in lands and improvements in a little over three years—this having been paid by the stockholders—and having a debt of only fifteen hundred dollars, with property worth at least fifteen thousand dollars.

The agricultural interest of this county are being developed very fast. Our farmers vie with each other in cultivating and beautifying their farms, and are using all their efforts to improve their breed of stock. The society hopes by creating a lively emulation among her citizens in mechanical and farm products, to do a great good.

Very respectfully,

RICHARD T. TAYLOR, *Secretary.*

---

## JEFFERSON COUNTY.

The Secretary of the Jefferson County Agricultural Society submitted the following report:

*To the State Board of Agriculture:*

This Society was organized in the year 1851, and has continued to hold fairs and sustain and encourage the agricultural and manufacturing interests of the county to the present time. The object of this report will be to note the progress of the Society for the year 1870. At the annual meeting, held in January, proceedings were had and plans inaugurated which resulted in the leasing of suitable grounds for the term of ten years, to be fitted up for the annual exhibition of the Society. About twenty-five acres have been surrounded by a good plank fence, seven feet high, with proper gates and entrances. The buildings within the grounds consist of one

Digitized by Google

hall, twenty by one hundred feet, an office, together with a number of cattle and horse stalls, sheep, hog pens, and such other fixtures as are common to such grounds. A track one-half of a mile in circuit was graded, for the accommodation of equestrians, and for the exhibition of horses in harness and under the saddle. Four wells were sunk, walled and furnished with pumps, a dining hall, etc.

The Board offered more cash premiums in the enumerated lists of a lower grade than they would have done under more flattering circumstances.

The fair was held at North Madison, September 27th, 28th, 29th, and 30th, and was highly creditable to all concerned The competition and show in the stock department was very fine and spirited. The weather was very fine, and the attendance large. Exhibitors and visitors were all interested, and generally well satisfied. The entries were six hundred and eighty. The amount of premiums awarded was one thousand five hundred and thirty-seven dollars and fifty cents. The receipts are as follows:

RECEIPTS.

| | | |
|---|---|---|
| From old fund | $24 95 | |
| From entry fees | 660 80 | |
| Rents and privileges at the fair | 239 00 | |
| From County Treasurer—licenses and shows | 95 00 | |
| From sale of tickets at fair | 1,853 52 | |
| Total | | $2,873 27 |

EXPENDITURES.

| | | |
|---|---|---|
| Paid for lumber, work and materials in fitting up grounds | 375 00 | |
| Paid for premiums, help, and printing at fair | 1,537 50 | |
| Paid for repairs on grounds | 343 00 | |
| Total expenditures | | $2,255 50 |
| Which leaves probable balance | | 617 77 |

Digitized by Google

The balance will be spent in further improvements upon the fair grounds during the coming spring and summer, which, with improvements already made, will make it as comfortable and convenient as any ground in the State.

The trade and business in timber at this time is very large, but we have no reliable data from which to state the amount.

The number of acres of land placed upon the tax duplicate is two hundred and twenty-five thousand acres. There is no statement, however, of the amount cultivated. It is estimated that one-half of this is cultivated in pasture, meadow or grain. The crops consist of corn, wheat, oats, buckwheat, vegetables, and all the grasses, and, with proper culture, are remunerative and satisfactory.

The value of lands and lots for taxation is put down at three million seven hundred and fifty thousand dollars, and the value of improvements two million dollars, and total value of taxables, including personal, nine million dollars.

Our system of farming is not as thorough as it should be in many respects, but there is an active interest and a spirit of improvement in this regard. There should be more grass and better stock, fewer acres of corn, deeper tillage, and more thorough drainage. The latter is receiving special attention, and no enterprise of our citizens promises such advantages and important results to the agricultural wealth of our county.

OFFICERS.

J. G. WRIGHT, President.
A. DANIELS, Treasurer.
J. R. DICKEY, Secretary.

Respectfully,

J. R. DICKEY, *Secretary.*

Digitized by Google

## KOSCIUSKO COUNTY.

The Secretary of the Kosciusko County Agricultural Society submitted the following report:

*To the State Board of Agriculture:*

The society was organized in 1855, and has met with varying success. It owns ten acres of beautiful ground within the corporate limits of the county seat, (Warsaw,) worth $6,000, which is fenced and furnished with stalls, pens and fair buildings. We had no fair in 1869, as the fair in 1868 was not a success financially, scarcely creditable, in point of display, to the county. A spirit of apathy existed which it was impossible to overcome. Radical changes will be made this year, which, it is hoped, will change things for the better. The total receipts for 1868 were $633 35; expenditures, including premiums, $741 28; number of entries at fair, 621. We propose to do away with our present plan of selling membership tickets admitting families during the fair, and selling single admission tickets only, and to not pay premiums until some certain time, say fifteen days, after the close of the fair. Then, if there is not money enough to pay all in full, pay each a *pro rata* share—thus compelling each fair to pay its own expenses, and cutting off the chances for the society to run into debt.

The names of the officers are as follows:

OFFICERS.

Amariah W. Holbrook, President.
George W. Deaton, Vice President.
Moses J. Long, Treasurer.
Joseph B. Dodge, Secretary.

Respectfully submitted,

J. B. Dodge, *Secretary.*

Digitized by Google

## LAPORTE COUNTY.

The Secretary of the Laporte County Agricultural Society submitted the following report:

*To the State Board of Agriculture:*

The following are the officers elected for the year 1871, and with whom you can confer, if necessary:

OFFICERS.

ISAAC W. WHITEHEAD, President.
JOHN S. JESSUP, Vice President.
JOHN P. EARLEY, Treasurer.
WILLIAM NILES, Secretary.

Together with nineteen Directors, or one for each civil township.

RECEIPTS.

| | |
|---|---|
| Cash on hand, 1869., | $135 97 |
| Received for sale of grass | 56 00 |
| Received from County Treasurer | 175 00 |
| Received from eating stands, shows, etc | 55 00 |
| Received for 238 membership tickets | 476 00 |
| Received for sale of lumber | 35 85 |
| Received for rent of grounds | 23 00 |
| Received for sale of single tickets, etc | 385 95 |
| Total | $1,342 77 |

Our cash premiums awarded amounted to nearly eleven hundred dollars, all of which has been paid except about one hundred dollars. Owing to the weather at the time of our fair our receipts were not equal to our expenses, and with the premium list, incidental expenses and interest on old loan of $900, we are some $250 short, not counting old loan.

The entries were as follows:

Digitized by Google

ENTRIES.

| | |
|---|---|
| Live stock department | 308 |
| Agricultural department | 256 |
| Mechanical department | 120 |
| Total | 684 |

Whole numbers of members, including officers, two hundred and fifty.

Respectfully,

E. G. McCollum, *Secretary.*

---

## LAGRANGE COUNTY.

The Secretary of Lagrange County Agricultural Society submitted the following report:

*To the State Board of Agriculture:*

Unseasonable weather during our fairs for three successive years has materially embarrassed and hindered its prosperity. There has also, I find, here and elsewhere throughout the State a diminution of zeal and interest in agricultural fairs. They have a tendency to relapse or glide into horse fairs exclusively, the tendency of the public mind and taste being improperly stimulated in that direction, and, unless there should be some radical changes made both in public opinion and law governing agricultural societies, I expect to see them fail in bringing the farmers together as they did at their first organization. We have failed this year to pay our premiums, which is a source of sorrow to some persons entitled to receive them.

The number of entries for 1870 were as follows:

Digitized by Google

ENTRIES.

| | |
|---|---|
| Horses (two classes) | 108 |
| Cattle | 24 |
| Sheep | 20 |
| Hogs | 9 |
| Farming Implements | 15 |
| Grain | 31 |
| Vegetables | 36 |
| Fruits | 31 |
| Dairy | 3 |
| Provisions | 15 |
| Domestic Manufactures | 24 |
| Fowls | 12 |
| Flowers | 6 |
| Miscellaneous | 23 |

Total amount of cash received ..... $375 20

All of which has been paid out upon the ground for improvements and necessary contingent expenses.

We have no debts against us as a society, except our premium orders of this year, unpaid, amounting to about $250.

If the Legislature of Indiana could so change the law as to make county agricultural societies joint stock companies, issuing shares to each person paying ten dollars, assignable as shares in perpetuity, I believe it would be an advantage over the present loose system, which makes a man a member this year by paying a dollar and cuts him off next year if he fails. Thus, seventeen years since, some persons, to the number of twenty-five, paid *ten dollars* each, and by *certificate* from the then existing officers, rate to-day as life members, whilst others who may have paid every year since a dollar, making fifteen or more, are considered ruled out next year unless they pay again. This looks like granting special privileges, and the undersigned, as an anti-monopolist, protests against all such ideas and purposes.

Thomas Jefferson gave us to understand that power was always stealing away from the many to get into the hands of

Digitized by Google

the few, and, as an ex-Legislator of the Commonwealth of Indiana, I would hereby respectfully call the attention of the State Board and the General Assembly to these things that our agricultural interests may be fostered and chirished with more zeal than now.

Respectfully submitted,

FRANCIS P. GRIFFITH, *Secretary.*

The Legislature has passed laws for joint stock companies of any and every description, and many of the county and district agricultural societies of our State are organized and working under these laws. Either form of organization is recognized by the State Board of Agriculture and have equal rights and privileges at all meetings, elections, reception and distribution of reports, etc. SEC. IND. S. B. A.

---

## LAWRENCE COUNTY.

The Secretary of the Lawrence County Agricultural Society submitted the following report:

*To the State Board of Agriculture:*

The original society, called by the same name as our present one, namely, Lawrence County Agricultural Society, was organized in 1854, and for a number of years had great success in holdiug exhibitions that were an honer not only to our county but to the State, until the war coming on and finding it in an embarrassed condition, it was by consent placed in the hands of a receiver, and thus passed out of existence as a legal organization.

In 1869 a number of enterprising citizens organized by stock subscription a new society with the old name, and although it was then quite late in the season (October) held an exhibition on the 26th, 27th, 28th and 29th days of October of that year. It being extremely late and the weather inclement, this fair was not, in a financial point, successful, but

Digitized by Google

it aroused an interest that has enabled us to establish our society we trust on a permanent and paying basis.

In 1870 this association bought and paid for eighteen acres of land adjoining the town plat of Bedford, the county seat. These grounds have been improved by enclosing the same with a substantial picket fence, halls, stalls and such other fixtures and improvements usual and needed on such grounds, except an amphitheatre, which, it is expected, will be added in the spring.

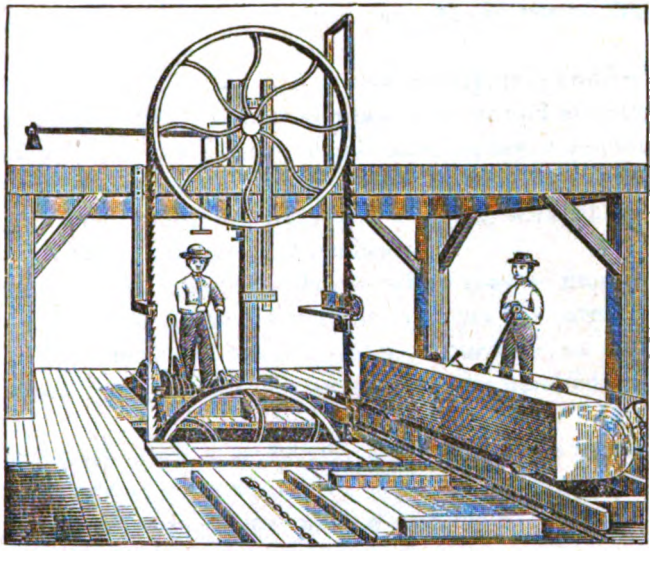
Our last fair was held from the 4th to the 9th of October last, and the following amounts of premiums were awarded, viz:

| | |
|---|---|
| For Horses, Class "A" | $774 00 |
| For Mules, Class "B" | 25 00 |
| For Cattle, Class "C" | 141 00 |
| For Hogs, Class "D" | 46 00 |
| For Sheep, Poultry, Farming implements, Domestic Manufactures and all other classes | 203 50 |
| Making total amount of | $1,189 50 |

All premiums being paid fully and in greenbacks.

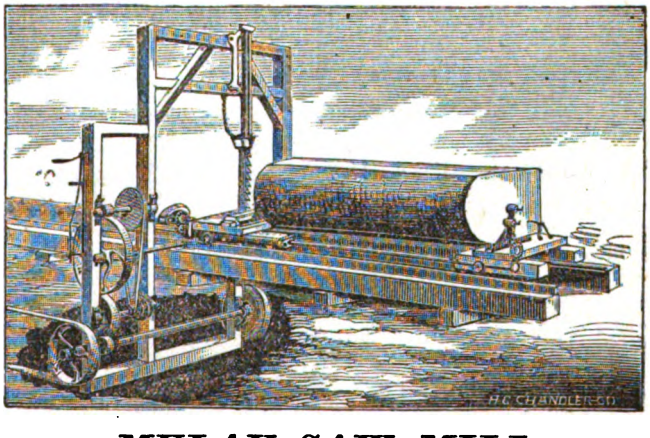
This county has a large number of one description of horses not common in the West, and now highly spoken of by the journals and agriculturalists of the East. I refer to the French draft horse known as the "Brilliante Percheron." In 1854, George G. Dunn (now deceased), Henry Culbertson, Andrew J. Williams, and others, bought, through Dr. E. E. Williams (now of Cincinnati), and imported to this county some very superior stock of this breed, which at once became greatly sought after for draught purposes. Following upon this importation, Jesse A. Mitchell, and others, pressed rapidly in the footsteps of the first-named parties by introducing the "Cleveland Bay (English draught), "Black" and "Green Mountain Morgans." Indeed, owing to the fact that our hills are, by nature, best adapted to blue grass, which grows most luxuriantly, our people have long since, in a large measure,

Digitized by Google



## *BAND SAW MILL.*

**Manufactured and exhibited by J. R. HOFFMAN & BROS., Ft. Wayne, Indiana.**



## *MULAY SAW MILL.*

**Manufactured by CHANDLER & TAYLOR, Indianapolis.**

Digitized by Google

Digitized by Google

discarded the "hog and hominy" method of farming, and turned their attention towards stock that require less of that cereal, corn.

Total number of acres of land in this county, two hundred and eighty-seven thousand four hundred and two and seventy-nine hundredths. Total value of all taxables, seven million seven hundred and ninety thousand five hundred and sixty dollars. Average value of each acre of land, without improvements, thirteen dollars and ten cents.

We are building a fine court-house, which may be finished throughout of best Bedford limestone, and yet the average tax for State, county and township, and all purposes, on each one hundred dollars, is but a fraction over one hundred and six cents.

At the annual election, held on the fifth instant, the following named persons were elected by the stockholders as officers of the Association for the ensuing year, viz.:

OFFICERS.

JESSE A. MITCHELL, President.
LYCURGUS DUNCAN, Vice-President.
CHARLES T. WOOLFOLK, Recording Sec'y.
ALEX. H. DUNIHUE, Corresponding, Sec'y.
WM. C. WINSTANDLEY, Treasurer.

At the same time, Tuesday, the twelfth day of September, 1871, was fixed upon as the day our next annual fair shall comemence, and at which time we will be pleased to meet all friends of agriculture from distant portions of the State.

Yours truly,

CHARLES T. WOOLFOLK, *Secretary.*

Digitized by Google

## MADISON COUNTY.

The Secretary of the Madison County Agricultural Society submitted the following report:

*To the State Board of Agriculture:*

This Society was organized in the year 1867, and has continued to hold fairs and sustain and encourage the agricultural and manufacturing interests of the county to the present time. The object of this report will be to note the progress of the Society for 1870. At the first annual meeting, proceedings were had and plans inaugurated which resulted in the leasing of suitable grounds for the term of ten years, to be fitted up for the annual exhibition of the Society. About twenty acres have been surrounded by a good plank fence, seven feet high, with proper gates and entrances. The buildings within the grounds consist of two halls, one twenty by thirty feet, the other twenty by eighty feet, two offices, together with a number of cattle and horse stalls, sheep, hog pens, and such other fixtures as are common to such grounds. A track one-half of a mile in circuit, was graded within the stock ring, for the accommodation of equestrians, and for the exhibition of horses in harness and under the saddle. Three wells were sunk, walled, and furnished with pumps, etc.

The fair was held at Anderson, September 13th, 14th, 15th and 16th, and was highly creditable to all concerned. The competition and show in the stock department was very extensive and spirited. The weather was very fine, and the attendance much larger than was to be expected under all the surroundings. Exhibitors and visitors were all interested and generally well satisfied. The entries were three hundred and twenty-six. The amount of premiums awarded $1,501 50. The receipts are as follows:

Digitized by Google

RECEIPTS.

| | |
|---|---|
| From old fund | $20 00 |
| From County Treasurer—licenses of shows | 30 00 |
| From membership and sale of tickets at fair, and all other sources | 3,223 23 |
| Total | $3,273 23 |

EXPENDITURES.

| | | |
|---|---|---|
| Paid for lumber, work and materials in fitting up grounds | $776 57 | |
| Paid for premiums, help, and printing at fair | 2,051 93 | |
| Premiums awarded, not yet paid; estimated bills for work on grounds, etc., not yet settled | 50 00 | |
| | | 2,878 50 |
| Which leaves probable balance | | $394 73 |

The balance will be spent in further improvements upon the fair grounds during the coming spring and summer, which, with improvements already made, will make it comfortable and convenient.

The soil and timber of the county is generally good, and of many varieties common to the summit lands of the State of Indiana. This timber is now being converted into sawed, split and hewn stuff for transportation, for various purposes to which timber is applied.

The trade and business in timber, at this time is very large, but we have no reliable data from which to state the amount.

The number of acres of land on the tax duplicate is $278,891 64. No statement of the amount under cultivation; it is estimated, however, that near one-half is cultivated in pasture meadow, or grain.

The value of lands for taxation is put down at $4,215,795, value of improvements $1,060,180; the total value of taxables,

Digitized by Google

including personals, $8,136,085. The *actual* value is probably $26,000,000 or more, in the county.

Our system of farming, although not thorough, yet is becoming more perfect each year, a more active interest and spirit of improvement is manifested in this respect.

OFFICERS.

WILLIAM CRIM, President.
JOHN P. BARNES, Treasurer.
JOHN F. WILDMAN, Secretary.

Very respectfully,

JOHN F. WILDMAN, *Secretary.*

---

## MORGAN COUNTY.

The Secretary of the Morgan County Agricultural Society submitted the following:

*To the State Board of Agriculture:*

This Society was organized in the year 1852, and has continued to hold fairs and sustain and encourage the agricultural and manufacturing interests of the county to the present time. The object of this report will be to note the progress of the Society for 1870. At the annual meeting in January, proceedings were had and plans inaugurated which resulted in the leasing of suitable grounds, for the term of ten years, to be fitted up for the annual exhibition of the Society. About twelve acres have been surrounded by a good plank fence, seven feet high, with proper gates and entrances. The buildings within the grounds consist of two halls, one twenty by thirty feet, the other twenty by eighty feet, an office, together with a number of cattle and horse stalls, sheep, hog pens, and such other fixtures as are common to such grounds. A track one-fourth of a mile in circuit was graded within the

Digitized by Google

stock ring, for the accommodation of equestrians, and for the exhibition of horses in harness and under the saddle. Three wells were sunk, walled and furnished with pumps, a dining hall, etc.

The Board offered more cash premiums in the enumerated lists of a lower grade than they would have done under more flattering circumstances. The writer, however, is not partial to high premiums, but in lieu thereof would recommend an increase of the number to be awarded in lists where the competition is large and close. Have a first, second, and third, and even a fourth premium, where the funds and competition will justify.

The fair was held at Martinsville, September 13th, 14th, 15th, 16th, and 17th, and was highly creditable to all concerned. The competition and show in the stock department was extensive and spirited. The weather was very fine, and the attendance much larger than was to be expected under all the surroundings. Exhibitors and visitors were all interested, and generally well satisfied. The entries were four hundred and thirty-seven. The amount of premiums awarded was one thousand two hundred dollars. The receipts are as follows:

RECEIPTS.

| | |
|---|---|
| From membership and sale of tickets at fair..... | $1,275 00 |

EXPENDITURES.

| | | |
|---|---|---|
| Paid for lumber, work and materials in fitting up grounds..... | 300 00 | |
| Paid for premiums, help, and printing, at fair..... | 150 00 | |
| Premiums awarded, not yet paid; estimated bills for work on grounds, etc., not yet settled..... | 825 00 | |
| Total..... | | $1,275 00 |

Digitized by Google

The soil and timber of the county is generally good, and of the varieties common to the lands in Indiana. This timber is now being converted into sawed, split, and hewn stuff, for transportation, for various purposes to which timber is applied. The trade and business in timber at this time is large, but we have no reliable data from which to state the amount.

The number of acres of land placed upon the tax duplicate is unknown to me. There is no statement of the amount cultivated. It is estimated that one-half is cultivated in pasture, meadow or grain. The crops consist of corn, wheat, oats, buckwheat, vegetables, and all the grasses, and, with proper culture, are remunerative and satisfactory. The blue grass seems readily to take the pastures, and is one of the best grasses for pastures in early summer, fall and winter.

The value of lands for taxation is put down at six million three hundred and forty-nine thousand two hundred and five dollars, and the value of improvements, two million two hundred and twenty-one thousand three hundred dollars, and total value of taxables, including personal, eight million five hundred and seventy thousand five hundred and five dollars.

Our system of farming is not as thorough as it should be in many respects, but there is an active interest and a spirit of improvement in this regard. There should be more grass and better stock, fewer acres of corn, deeper tillage, and more thorough drainage.

OFFICERS.

JAMES E. BURTON, President.
JOHN STEVENS, Treasurer.
R. V. MARSHALL, Secretary.

Respectfully,

R. V. MARSHALL, *Secretary.*

Digitized by Google

## MONTGOMERY COUNTY.

The Secretary of Montgomery County Agricultural Society submitted the following report:

*To the State Board of Agriculture:*

The Montgomery County Agricultural Society held its eighteenth annual fair at its grounds, near Crawfordsville, on the 12th, 13th, 14th, 15th and 16th of September, 1870.

OFFICERS FOR THE YEAR.

SAMUEL GILLILAND, President.
DANIEL S. JONES, SAMUEL HUTTON, Vice Presidents.
A. W. LEMMON, Secretary.
JAMES HEATON, Treasurer.
JOHN C. MAXWELL, Superintendent.
SAMUEL SNYDER, Marshal.

ENTRIES—PREMIUMS AWARDED AND PAID.

| DEPARTMENTS. | No. of Entries. | Premiums Awarded | Premiums Paid. |
|---|---|---|---|
| Live Stock | 342 | 119 | $454 00 |
| Agriculture | 126 | 47 | 51 00 |
| Mechanical | 112 | 67 | 170 00 |
| Miscellaneous | 266 | 184 | 167 00 |
| Juvenile | 33 | 33 | 18 00 |
| Total | 879 | 400 | $860 00 |

RECEIPTS.

| | | |
|---|---|---|
| From ground, rent for eating houses, shows, tables, etc | $258 41 | |
| From sale of tickets of all kinds | 1,398 39 | |
| From County Treasury | 47 00 | |
| Total | | $1,703 80 |



Digitized by Google

EXPENDITURES.

| | | |
|---|---|---|
| Paid premiums | $873 00 | |
| Paid for general expenses, including repairs and material, wages, salaries and all incidentals | 545 55 | |
| Paid note for borrowed money and interest on same | 185 25 | |
| Total | | $1,603 80 |
| Leaving a balance of | | $100 00 |

The fair was a success; the weather fine; the crowd large; the order maintained excellent; the display of the different departments very good. No accidents, no drunkeness, no gambling, nearly everybody satisfied, a few excepted, and some are only happy when they are miserable.

I would add that our grounds are too limited (only nine acres), water too scarce, and our premiums too small. Our county is able to do better, as you will see from the following statements:

| | |
|---|---|
| No. of acres of land on Tax Duplicate | 319,000 |
| Value of lands for taxation | $6,984,650 |
| Value of improvements | 1,952,045 |
| Total value of taxables, including personal | 12,632,630 |
| Actual value probably | 30,000,000 |

Thankful for past success, gratified with the present, hopeful for the future, we trust we shall yet send reports more flattering, more praiseworthy—when enlarged ideas, enlightened views, and general interests shall cause the people to take hold of these things with more vigor than they do at present.

Respectfully,

A. W. LEMMON, *Secretary.*

Digitized by Google

## MARION COUNTY.

**The Secretary of the Marion County Agricultural and Horticultural Society submitted the following report:**

*To the State Board of Agriculture:*

The following are the officers of Marion County Agricultural and Horticultural Society for 1870:

OFFICERS.

L. W. HASSELMAN, President.
JOHN T. FRANCIS, Secretary.
W. S. HUBBARD, Treasurer.

The Society held its twelfth annual fair at the Society's rooms in Indianapolis, in June, 1870.

ENTRIES.

| | |
|---|---|
| Number of entries | 450 |

RECEIPTS.

| | |
|---|---|
| Total receipts from all sources | $751 30 |

EXPENDITURES.

| | | |
|---|---|---|
| Amount of premiums awarded and paid | $459 00 | |
| For library and agricultural papers | 125 00 | |
| Rent of rooms | 84 00 | |
| | | $668 00 |
| Balance in treasury | | $83 30 |

The annual election for officers is on the third Saturday of January of each year.

The Executive Committee are: L. W. Hasselman, W. Ragan, H. Mankedick, J. H. Vajen, John Wineberger, and W. S. Hubbard.

Respectfully submitted,

L. W. HASSELMAN, *President.*

JOHN T. FRANCIS, *Secretary.*

Digitized by Google

## MONROE COUNTY.

The Secretary of the Monroe County Agricultural Society submitted the following report:

*To the State Board of Agriculture:*

OFFICERS.

A. KETCHAM, President.
S. P. THOMPSON, Vice President.
J. F. FEE, Treasurer.
M. L. SNODGRASS, Secretary.
J. E. BORLAND, Superintendent.

The Monroe County Agricultural Society held its third annual fair September 20th to the 25th, and in many respects our fair was a complete success. In the stock department the exhibition was pronounced by all one of the finest ever held in the county. The competition in each department was very spirited. There was a larger number of entries of horses than was ever made before. The weather was very fine, and the attendance good; exhibitors and visitors were all interested and generally well satisfied. The total number of entries made were six hundred and forty-one. The amount of premiums awarded was $1,450 00.

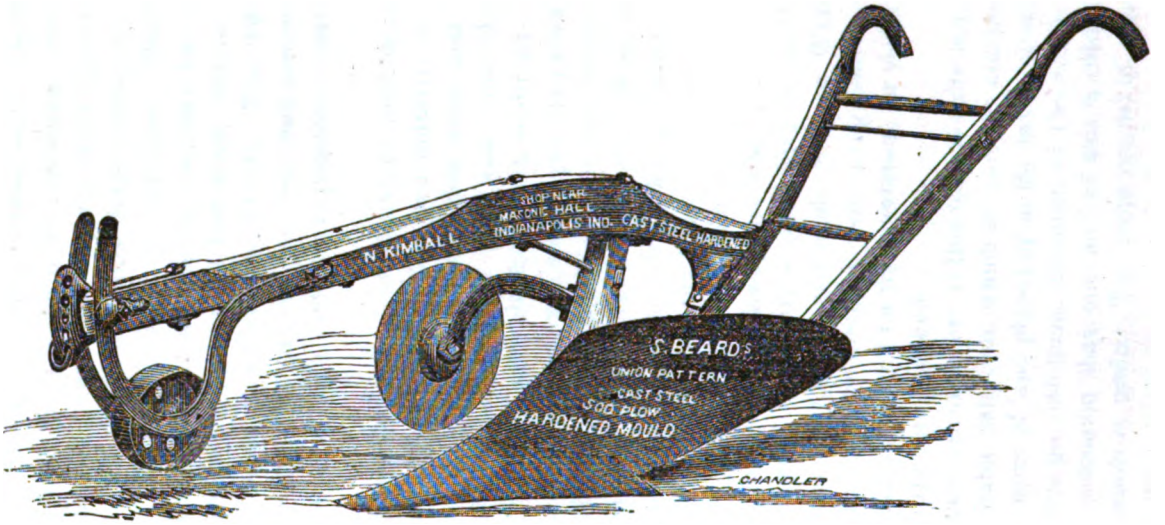
RECEIPTS.

| | |
|---|---|
| From County Treasurer for show licenses..... | $15 00 |
| From membership and sale of tickets ..... | 2,659 15 |
| Total..... | $2,674 15 |

EXPENDITURES.

| | |
|---|---|
| Paid for lumber, and fitting up grounds..... | $1,040 30 |
| Paid for help, printing and premiums..... | 1,633 85 |
| Claim unpaid on amphitheater and premiums.... | 500 00 |

Digitized by Google




# UNION PLOW.

**Manufactured and exhibited by A. L. WEBB, 83 Masonic Hall, Indianapolis.**

Digitized by Google

Digitized by Google

The society has built an amphitheater capable of seating from six to eight hundred persons. They have also gone to the expense of four hundred dollars to bring water into the grounds from the best spring in the county, running through pipes over two thousand feet, to the center of the fair grounds. The society has made some additional improvement in hog and sheep pens. The show of hogs was very fine. There is more interest taken in hogs in our county now, than has ever been before. Farmers are getting the best stock, such as the Chester, White Poland and Berkshire breeds. The wheat and corn crop was good the present year, but only one entry was made in corn, one in oats, and one in potatoes—none in wheat.

I would say in behalf of the society, that we would express our thanks to the ladies for their skill and industry in the great variety of plain and ornamental needle work, and all the conceivable variety of crotchet work and embroidery, fancy painting, etc. The ladies deserve much credit for the interest they have always manifested, and the part they always take in our annual exhibitions, and the officers and members acknowledge themselves under many obligations to them, and we hope in the future to be able to offer larger premiums on such articles as are exhibited by the ladies. We hope that they may do much to add life, beauty and excellence to our annual fairs in the future as they always have in the past.

The soil and timber of the county is generally good, and of the varieties common to the summit lands between White river and the Wabash. The timber is now being converted into sawed, split and hewn stuff for transportation, for various purposes to which timber is applied.

The trade and business in timber at this time is quite large, but we have no reliable data from which to state the amount.

The number of acres of land placed upon the tax duplicate is 255,876. There is no statement, however, of the amount cultivated. It is estimated that one half of this is cultivated in pasture, meadow or grain. The crops consist of corn, wheat, oats, buckwheat, vegetables and all the grasses, and with proper culture are remunerative and satisfactory. The

Digitized by Google

grasses, such as blue grass, timothy, clover and red top, grow in great luxuriance wherever they have any attention. The The blue grass seems readily to take the pastures, and is one of the best grasses for pastures in early summer, fall and winter.

The value of lands for taxation is put down at $2,700,214, and the value of improvements $543,994, and total value of taxables, including personal, $5,162,659. The actual value is probably $6,069,959, or more, in the county.

Our system of farming is not as thorough as it should be in many respects, but there is an active interest and a spirit of improvement in this regard. There should be more grass and better stock, and more thorough drainage. The latter is receiving special attention, and no enterprise of our citizens promises such advantages and important results to the agricultural wealth of our county.

Respectfully,

M. L. SNODGRASS, *Secretary.*

---

## PARKE COUNTY.

The Secretary of the Parke County Horticultural and Rural Institute submitted the following report:

*To the State Board of Agriculture:*

This Society was organized in the year 1865, and has continued to hold Fairs, and sustain and encourage the Agricultural and Manufacturing interests of the county to the present time. The object of this report will be to note the progress of the Society for 1870.

At the annual meeting in December, arrangements were made for additional improvements of the ground, in the way of more stalls and pens for stock, a new well, and other things necessary for the comfort of the Society and those entering articles for exhibition. The Society also agreed to admit all

Digitized by Google

entries *free*, which was thought to add much to the number of entries, and no decrease in the amount of cash received, as the most of the members of the Society heretofore admitted free, paid at the gates.

The buildings within the grounds consist of two halls, one 20 by 30 feet, the other 33 feet in diameter, an office, together with a number of cattle and horse stalls, sheep and hog pens, and such other fixtures as are common to such grounds. One well was sunk, walled, and furnished with pumps, &c.

The Fair was held at Bloomingdale, June 10th and 11th, and August 23, 24, 25 and 26th, 1870, and was highly creditable to all concerned. The competition and show in the stock department was not as extensive as it should have been, but this will not be likely to occur next year. The weather was very fine, and the attendance much larger than was to be expected, under all the surroundings. Exhibitors and visitors were all interested, and generally well satisfied. The entries were 879. The amount of premiums awarded $255 25. The receipts are as follows:

RECEIPTS.

| | |
|---|---|
| From old fund | $17 70 |
| From County Treasurer—licenses of shows | 2 50 |
| From Membership and sale of tickets at Fair | 328 05 |
| Total | $348 25 |

EXPENDITURES.

| | |
|---|---|
| Paid for lumber, work and materials in fitting up the grounds, in subscription | $150 00 |
| Paid for premiums, help, and printing at Fair | 78 00 |
| Which leaves a probable balance of | 15 00 |

The soil and timber of the county is generally good. The trade and business of the county at this time is very large, but we have not reliable data from which to state the amount.

The number of acres of land placed upon the tax duplicate,

Digitized by Google

is 279,446 72-100. There is no statement, however, of the amount cultivated. It is estimated that one half of this is cultivated in pasture, meadow or grain. The crops consist of corn, wheat, oats, buckwheat, vegetables and all the grasses, and with proper culture, are remunerative and satisfactory. The grasses, such as blue grass, timothy, clover and red top, grow in great luxuriance wherever they have any attention. The blue grass seems readily to take the pastures, and is one of the best grasses for pastures in early summer, fall and winter.

The value of lands for taxation is put down at $5,765,730, and the value of improvements $1,030,905, and total value of taxables, including personal, $9,912,150 00. The actual value is probably $15,000,000, or more, in the county.

Our system of farming is not so thorough as it should be in many respects, but there is an active interest and a spirit of improvement in this regard. There should be more grass and better stock, fewer acres of corn, deeper tillage, and more thorough drainage. The latter is receiving special attention, and no enterprise of our citizens promises such advantages and important results to the agricultural wealth of our county.

OFFICERS.

JOHN PICKARD, President.
IRA NEWLIN, Treasurer.
JOHN M. CHAPMAN, Secretary.
EXUM NEWLIN, Corresponding Secretary.

Respectfully,

EXUM NEWLIN, *Cor. Sec'y.*

---

## POSEY COUNTY.

The Secretary of the Posey County Agricultural Society submitted the following report:

*To the State Board of Agriculture:*

The Twelfth Annual Fair was held at New Harmony on the 13th, 14th, 15th and 16th of September, 1870.

Digitized by Google

OFFICERS.

L. A. BURKE, President.
F. D. BOLTON, Vice President.
A. E. FRETAGEOT, Treasurer.
JOHN PREAUS, Secretary.
JOHN KILBINGER, General Superintendent.
J. D. OWEN, Marshal.
JOHN PULLEYBLANK, Chief of Police.

*Trustees*—V. C. Duclos, E. F. Owen, B. A. Wilkerson.

Number of Entries—1,015.
Amount of premiums awarded—$1,550.

FINANCIAL STATEMENT FOR 1870.

| | |
|---|---|
| Received for booths, exhibitions, &c. | $441 50 |
| Received for percentage on entries | 444 55 |
| Received for horse stalls | 164 00 |
| Received for premium advertisements | 187 00 |
| Received for sale of all tickets | 2,172 42 |
| Received for county licenses | 85 00 |
| Received for refunded on expenses of delegates to State Board of Agriculture | 25 00 |
| Miscellaneous | 14 35 |
| Amount of old fund | 595 47 |
| Total | $4,129 29 |

EXPENDITURES.

| | |
|---|---|
| Premiums paid | $1,534 90 |
| Material for improvements | 310 92 |
| Labor for fair ground | 331 30 |
| Printing | 257 70 |
| Miscellaneous | 636 70 |
| Amount of cash on hand to balance | 1,057 77 |
| Total | $4,129 29 |

Digitized by Google

Fair organized in 1858. Time of electing officers first Saturday in December. Premiums not called for, $15 10. Net cost of printing, after deducting amount collected on premium advertisements, $70 50. All debts paid.

Total receipts for the year..... $3,533 82

Under the able supervision of the General Superintendent, some important improvements during the year have been made, namely: Thirty additional boxed horse stalls have been added; sheep and hog pens were removed to a more convenient and suitable locality; an additional well and pumps have been provided; ampitheatre repaired; fencing renewed; Floral Hall entirely covered with shingles; 150 shade trees set out; the speed-ring was put in perfect order, and is now second to none in the State; in short, all was done that the resources of the society would justify in expending to sustain the reputation of the fair.

Floral Hall was filled with all the important branches of industry, with full competition in every department of fruits, garden and farm products, ladies fancy work, domestic and machine manufactures, flowers, paintings, drawings, &c. The pantry included all that could add to the household, and tend to make home agreeable and domestic life a comfort. The arrangement of the articles in the hall, under the supervision of Mr. Henry Husbands and assistants, reflected highly to their taste and commanded the admiration of all visitors.

The live stock display has never been surpassed in quality and number; the stallion rings commanded especial attraction. It rained the first and second days, with strong indications of continued bad weather, but on the third day it cleared up, and, as if by magic, the people commenced pouring in, and on the last day there must have been 9,000 persons in attendance. Had it not been for the unpropitious weather at the commencement of the fair, our receipts would have been $500 more, with many additional entries, and the crowd would have reached, at the lowest estimate, 10,000. This year, stockholders and families were admitted free, and on

Digitized by Google

daily tickets checked out. When all is considered, our receipts have been unusually large. Our fair has proved once more a complete success, and bids fair to be enrolled as one of the most successful in the State.

Our time ring presents a creditable record: County pacing (by a three year old) 2:50. Sweepstake trotting, 2:48¼. Sweepstake pacing, 2:30½. Sweepstake running, 1:57.

In addition to other attractions we had a spirited contest with all the leading sewing machines, by severe tests under the management of skillful operators. To Singer's was awarded the laurels.

It is very perceptible that gradually we are commanding the co-operation of all classes in the progress of our efforts in developing the resources of our surrounding country. And it is to be hoped that in the future the proper spirit will actuate many who have heretofore withheld their support, and urged petty and frivolous objections to the general good intentions in the inauguration of fairs, held for the sole purpose of promoting the agricultural, mechanical and manufacturing interests of our country. And it will be a reward appreciated, if, in our feeble efforts we can induce the farmer, housewife, mechanic and manufacturer to claim fairs as an institution of their own, instead of standing aloof as strangers, visitors, critics and fault-finders, not becoming fully identified with us in their own and neighbors' interest.

JOHN PREAUS, *Secretary.*

---

## PUTNAM COUNTY.

The Secretary of the Putnam County Agricultural Society submitted the following report:

*To the State Board of Agriculture:*

This Society was organized in the year 1868, and has continued to hold fairs and sustain and encourage the agricultural and manufacturing interests of the county to the present

Digitized by Google

time. The object of this report will be to note the progress of the Society for 1870. About twenty acres have been leased and surrounded by a good plank fence, seven feet high, with proper gates and entrances. The buildings within the grounds consist of three halls, one twenty by seventy-five feet, the other twenty by eighty feet, together with a number of cattle and horse stalls, sheep and hogs pens, and such other fixtures as are common to such grounds. A track one-third of a mile in circuit was graded within the stock ring, for the accommodation of equestrians, and for the exhibition of horses in harness and under the saddle. Three wells were sunk, walled and furnished with pumps, a dining hall, etc.

The Board offered more cash premiums in the enumerated lists of a lower grade than they would have done under more flattering circumstances. The writer, however, is not partial to high premiums, but in lieu thereof would recommend an increase in the number to be awarded in lists where the competition is large and close. Have a first and second premium where the funds and competition will justify.

The fair was held at Greencastle, Indiana, September 12th to the 18th, and was highly creditable to all concerned. The competition and show in the stock department was the best we ever had. The weather was very fine and the attendance large. Exhibitors and visitors were all interested and generally well satisfied. The entries were 604. The amount of premiums awarded $1,548.00. The receipts are as follows:

RECEIPTS.

| | |
|---|---|
| From old fund | $44 90 |
| From County Treasurer—licenses of shows | 35 00 |
| From sale of tickets at fair | 1,932 30 |
| Received by sale of eating stands | 259 00 |
| Per cent. on entries | 318 00 |
| Total | $2,589 20 |

Digitized by Google

EXPENDITURES.

| | |
|---|---|
| Paid for lumber, work and materials in fitting up grounds | $907 95 |
| Paid for premiums, help, and printing at fair | 1,940 90 |
| Total | $2,848 45 |

Which leaves probable balance, over the left, of $648.30.

The soil and timber of the county is generally good, and of the varieties common to the summit lands between White River and the Wabash. This timber is now being converted into sawed, split and hewn stuff for transportation, for various purposes to which timber is applied.

The trade and business of the county is very large, but we have no reliable data from which to state the amount.

The number of acres of land placed upon the tax duplicate is 308,815. There is no statement, however, of the amount cultivated. It is estimated that one half of this is cultivated in pasture, meadow or grain. The crops consist of corn, wheat, oats, buckwheat, vegetables and all the grasses, and with proper culture are remunerative and satisfactory. The grasses, such as blue grass, timothy, clover and red top, grow in great luxuriance wherever they have any attention. The blue grass seems readily to take the pastures, and is one of the best grasses for pastures in early summer, fall and winter.

The value of lands for taxation is put down at $7,165,405, and the value of improvements $2,184,535, and total value of taxables, including personal, $12,517,660. The actual value is probably $16,690,213, or more, in the county.

Our system of farming is not as thorough as it should be in many respects, but there is an active interest and spirit of improvement in this regard. There should be less grass and more acres of corn, deeper tillage, and more thorough drainage. The latter is receiving special attention, and no enter-

Digitized by Google

prise of our citizens promises such advantages and important results to the agricultural wealth of our county.

OFFICERS.

R. M. HAZELETT, President.
T. H. STEVENSON, Treasurer.
T. C. GROOMS, Secretary.

Respectfully,

T. C. GROOMS, *Secretary.*

---

## RUSH COUNTY.

The Secretary of the Rush County Agricultural Society submitted the following report:

RUSHVILLE, November 16, 1870.

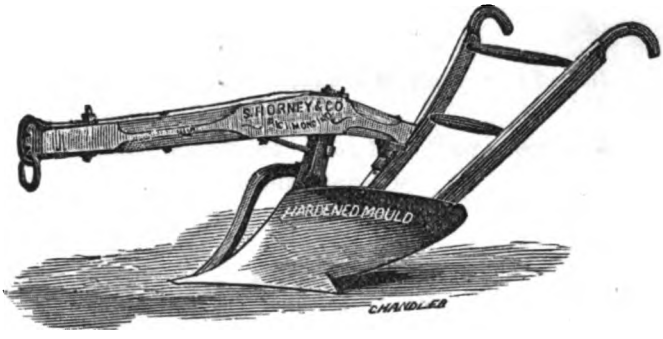
*To the State Board of Agriculture:*

OFFICERS.

A. M. KENNEDY, President.
JAMES L. CALDWELL, Vice-President.
JOHN R. MITCHELL, Treasurer.
LEONIDAS LINK, Secretary.
T. V. MITCHELL, Ring Marshal.
GEORGE W. REEVE, Chief of Police.

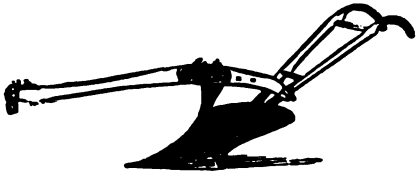
The Directors were twelve in number. The following is the number of entries made in all classes, one thousand and fifteen. The number of entries in the horse department alone were two hundred and fifty-eight, greatly exceeding any previous year. The horse show was said to be the finest ever held in Rush county, and hard to beat in the State. The total receipts were three thousand nine hundred and eighteen dollars and eighty-nine cents. After liberal premiums were

Digitized by Google




## STEEL PLOW.

**Manufactured by S. HORNEY & CO., Richmond, Indiana.**
**Exhibited by J. GEO. STILZ, Indianapolis.**



## CAST STEEL PLOW.

**Manufactured by AUGHE & PARROTT, Dayton, Ohio.**
**CASE & PARKER, Agents, Indianapolis.**

## UNION PLOW.

**Manufactured and exhibited by A. L. WEBB, 83 Masonic Hall, Indianapolis.**

Digitized by Google

Digitized by Google

paid, and considerable improvements made, there will be left in the Treasury over three hundred dollars.

The citizens of Rush county are proud of their stock and the fertility of the soil, and well may they be.

The officers of the Society for 1871 are:

OFFICERS.

JAMES L. CALDWELL, President.
DR. W. A. PUGH, Vice-President.
L. LINK, Secretary.
JOHN B. REEVE, Treasurer.

The number of Directors are reduced from twelve to seven for the future. The officers and directors for 1871 are all practical agricultural men, and promise that the coming fair shall excel all the past.

The interest manifested in this Society is such that its future, as the past, can be but a success. Its stock will readily bring twenty-five dollars per share. All that the stockholders ask is good weather during the fair.

Respectfully,

LEONIDAS LINK, *Secretary.*

---

## SULLIVAN COUNTY.

The Secretary of the Sullivan County Agricultural Society submitted the following report:

*To the State Board of Agriculture:*

This Society was organized in 1868, and has continued to hold Fairs, and sustain and encourage the Agricultural and Manufacturing interests of the county to the present time. About twenty acres have been surrounded by a good plank fence, seven feet high, with proper gates and entrances. The

Digitized by Google

buildings within the grounds consist of one hall, 40 by 100 feet, an amphitheatre 30 by 100 feet, and an office, together with 200 cattle and horse stalls, sheep, hog pens, and such other fixtures as are common to such grounds. A track one-half of a mile in circuit was graded within the stock ring, for the accommodation of equestrians, and for the exhibition of horses in harness and under the saddle. Three wells were sunk, walled and furnished with pumps, a dining hall, etc.

The Fair was held at Sullivan, August 29th to September 3d, and was highly creditable to all concerned. The weather was very fine, and the attendance much larger than was to be expected, under all the surroundings. Exhibitors and visitors were all interested, and generally well satisfied. The entries were 498. The amount of premiums awarded, $1,350 00. The receipts are as follows:

RECEIPTS.

| | |
|---|---|
| From old fund | $184 68 |
| From County Treasurer—licenses of shows, and on ground | 382 50 |
| For Membership and sale of tickets at Fair, and entry fees | 2,127 30 |
| Total | $2,594 48 |

Besides paying the current expenses of the Fair, and $1,300 in premiums, we have paid the stockholders a dividend of 20 per cent. on their stock, and will have a small balance in the treasury.

Our grounds are finely improved, and need little further expenditure in that direction.

The soil and timber of the county is generally good, and of the varieties common to the lands of the Wabash. This timber is now being converted into sawed, split and hewn stuff for transportation, for various purposes to which timber is applied.

The trade and business in timber, at this time, is very large, but we have no reliable data from which to state the amount.

Our fair has proved of vast benefit to the surrounding coun-

Digitized by Google

try in the way of introducing improved stock, especially of hogs, cattle and sheep. Few communities, of equal wealth, can boast of more fine and valuable stock. Our farmers are also introducing and using the best of all kinds of agricultural implements and machinery. Reliable labor is scarce, but good machinery is, to some extent, supplying the place.

The number of acres of land placed upon the tax duplicate, is 281,915. There is no statement, however, of the amount cultivated. It is estimated that one-half of this is cultivated in pasture, meadow or grain. The crops consist of corn, wheat, oats, buckwheat, vegetables and all the grasses, and with proper culture, are remunerative and satisfactory. The grasses, such as blue grass, timothy, clover and red top, grow in great luxuriance wherever they have any attention. The blue grass seems readily to take the pastures, and is one of the best grasses for pastures in early summer, fall and winter.

The value of lands for taxation is put down at $2,913,375, and the value of improvements $774,890, and total value of taxables, including personal, $6,300,005. The actual value is probably $8,400,000, or more, in the county.

Our system of farming is not as thorough as it should be in many respects, but there is an active interest of improvement in this regard. There should be more grass and better stock, fewer acres of corn, and deeper tillage. The latter is receiving special attention, and no enterprise of our citizens promises such advantages and important results to the agricultural wealth of our county.

OFFICERS.

A. H. Thornhill, President.
T. K. Sherman, Treasurer.
N. G. Buff, Secretary.

Respectfully,

N. G. Buff, *Secretary.*



Digitized by Google

## ST. JOSEPH COUNTY.

The Secretary of the St. Joseph County Agricultural Society submitted the following report:

*To the State Board of Agriculture:*

This Society was organized in the year 1852, and has continued to hold fairs and encourage the agricultural and manufacturing interests of the county to the present time. The Society owns seven acres of land and has leased seven more, which is enclosed by a high tight board fence. There is a beautiful grove and running water on the grounds. We have two good halls and an office, a good track one third of a mile in length, and a limited supply of stalls and sheds for stock. Hope to improve the latter the coming year.

The Board increased the premiums in number and size. Also, increased the price of membership from one to one and a half dollars.

The fair was held September 29th and 30th and October 1st. The number of entries and the amount of interest manifested on the first day was never equalled since the organization of the Society. But the second day was a failure. The rain poured down from morn till night, and consequently the receipts and interest of the fair was much less than they would have been had the weather been favorable.

The number of entries were 577. The amount of premiums awarded $400.00. The receipts were as follows:

RECEIPTS.

| | |
|---|---|
| From old fund | $83 38 |
| From membership and sale of tickets | 625 00 |
| From refreshment stands and show licenses | 45 00 |
| Total | $753 00 |

Digitized by Google

EXPENDITURES.

| | |
|---|---|
| Paid for lumber, work and material, fitting up grounds | $110 00 |
| Paid for premiums, help and printing at fair | 540 00 |
| Total | $650 00 |

Society is out of debt and owns a ground worth $7,000.

OFFICERS.

IRWIN SKINNER, President.
J. CARSKADDON, Vice President.
E. F. GRETHER, Treasurer.
WM. L. KISER, Secretary.

Respectfully,

J. B. MILLER, Secretary.

---

## DEARBORN COUNTY.

The Secretary of the Southeastern Indiana Agricultural Society submitted the following report:

AURORA, IND., October 29, 1870.

*To the State Board of Agriculture:*

The Southeastern Indiana Agricultural Society, herewith submit a report of their annual fair held at their grounds, September 6th, 7th, 8th and 9th. The weather being most favorable the fair opened in a manner very gratifying to all interested in the progress of agricultural matters, and was well maintained throughout the entire four days.

The Society have begun a series of improvements that will, when all is completed that has been contemplated, make the grounds the most attractive, and the best suited to the purpose of any in this section of the State.

Digitized by Google

Just previous to the fair for 1870, the Society built a floral hall, for the better accommodation and display of flowers, shrubs and plants of all kinds, which, heretofore, have had no proper or permanent place. A miniature lake and fountain is now enclosed in this building, adding greatly to the attractions of this department. The improvements in floral hall and fixtures were made at an expense of $1,137.69; to be paid for by the sale of stock, which has been sold and most of it paid in.

RECEIPTS.

| | | |
|---|---|---|
| Total receipts during the fair | | $2,047 80 |

EXPENDITURES.

| | | |
|---|---|---|
| Paid premiums | $1,127 50 | |
| Paid expenses | 889 23 | |
| | | $2,016 73 |
| Balance | | $31 07 |

The annual election was held on the first Saturday in October last, and the following officers were elected to serve during the present Society year:

OFFICERS.

OLIVER P. COBB, President.
W. H. KYLE, Treasurer.
L. G. HURLBERT, JR., Secretary.

The Society look forward to more successful exhibitions in the future than ever heretofore. The interest in all matters pertaining to agriculture in all its branches, stock, etc., has taken an awakening that promises the best of results.

L. G. HURLBERT, JR., *Secretary.*

Digitized by Google

## SPENCER COUNTY.

The Secretary of the Spencer County Agricultural Society submits the following report:

*To the State Board of Agriculture:*

OFFICERS.

JOHN BEELER, President.
T. B. HARDY, Treasurer.
A. D. GARLINGHOUSE, Secretary.

This society was organized in the year 1854, and has continued to hold fairs and sustain and encourage the agricultural and manufacturing interests of the county to the present time, excepting an interval of five years, from 1861 to 1866. The object of this report will be to note the progress of the society for 1870. At the annual meeting in December, proceedings were had and plans inaugurated which resulted in the re-leasing of suitable grounds for the term of three years, to be fitted up for the annual exhibition of the society. About twelve acres have been surrounded by a good plank fence, seven feet high, with proper gates and entrances. The buildings within the grounds consist of two halls, one twenty by thirty feet, the other twenty by eighty feet, an office, together with a number of cattle and horse stalls, sheep, hog pens, and such other fixtures as are common to such grounds. A track one-fourth of a mile in circuit was graded within the stock ring, for the accommodation of equestrians, and for the exhibition of horses in harness and under the saddle. Three wells were sunk, walled and furnished with pumps, a dining hall, &c.

The fair was held at our fair ground October 5th, 6th, 7th and 8th, and was highly creditable to all concerned. The competition and show in the stock department was not as extensive and spirited as it should have been, but this will not be likely to occur next year. The weather was very fine and

Digitized by Google

the attendance much larger than was to be expected under all the surroundings. Exhibitors and visitors were all interested and generally well satisfied. The entries were 328. The amount of premiums awarded $418. The receipts are as follows:

RECEIPTS.

| | |
|---|---|
| From old fund | $669 50 |
| From County Treasurer—licenses of shows | 155 00 |
| From membership and sale of tickets at fair, license, &c | 816 00 |
| Total | $1,700 50 |

EXPENDITURES.

| | |
|---|---|
| Premiums awarded, not yet paid; estimated bills for work on grounds, &c., all settled | $1,011 65 |

The society intend to purchase a piece of ground on which to build the necessary improvements permanent.

The soil and timber of the county is generally good, and of the varieties common to the summit lands and bottom lands of Indiana. The timber is now being converted into sawed stuff for transportation, for various purposes to which timber is applied.

The trade and business in timber at this time is very large, but we have no reliable data from which to state the amount, but the trade equals at least $150,000 per annum.

Our system of farming is not as thorough as it should be in many respects, but there is a spirit of improvement in this regard. There should be more grass and better stock, fewer acres of corn, deeper tillage, and more thorough drainage. The latter is receiving special attention, and no enterprise of our citizens promises such advantages and important results to the agricultural wealth of our county.

Our city is unsurpassed for fertility; the population is increasing very fast; our mineral resources are abundant; our

Digitized by Google

school unsurpassed; our internal improvements behind, are fast coming up. I think within two years, at least, we can boast of two railroads. Enterprising men would find it to their interest to wend this way.

Not having the necessary data at hand, I am unable to fill up the report as I would otherwise.

Respectfully,

JOSEPH SCAMMAHORN, *Secretary.*

---

## TIPPECANOE COUNTY.

The Secretary of the Tippecanoe County Agricultural Society submitted the following report:

*To the State Board of Agriculture:*

This Society was organized in the year 1867, and has continued to hold fairs and sustain and encourage the agricultural and manufacturing interests of the county to the present time. I am glad to be able to report that our fair, this year, was a decided improvement over any we have had yet, both for stock and articles exhibited and for the attendance. At our annual meeting, last January, we elected our Board, as follows:

OFFICERS.

H. T. SAMPLE, President.
DR. S. JONES, Vice-President.
SAMUEL ALLEN, Treasurer.
J. M. BOGGS, Secretary.

EXECUTIVE BOARD.

J. L. REYNOLDS,
T. JOHNSON,
JOHN PURDUE,
BENJAMIN RAY,
DR. JOHN SIMISON,
GEORGE WILLIAMS,
ADAMS EARL,
SYLVESTER TAYLOR.

Digitized by Google

Total number of entries, 375; amount of premiums awarded, $1,242 50. The receipts are as follows:

RECEIPTS.

| | | |
|---|---|---|
| From County Treasurer—licences, etc | 125 00 | |
| From sale of tickets | 1,542 85 | |
| From inside booths and stands | 300 00 | |
| Total | | $1,967 85 |

EXPENDITURES.

| | | |
|---|---|---|
| Expenses | $350 00 | |
| Premiums | 1,242 50 | |
| Total | | 1,592 50 |
| Balance | | $375 35 |

The number of acres on the tax duplicate is three hundred and eight thousand seven hundred and eighteen and forty-three one-hundredths; the value of lands for taxation is put down at ten million three hundred and twenty-three thousand four hundred and forty-five dollars; value of improvements, two million two hundred and ninety-six thousand one hundred and forty-five dollars; total value of taxables, including personal, twenty million eight hundred and fifty-seven thousand nine hundred and sixty-five dollars. The above figures are for 1869.

Respectfully,

J. M. Boggs, *Secretary.*

Digitized by Google

## BOONE, CLINTON AND MONTGOMERY COUNTIES.

The Secretary of the Thorntown Union Agricultural Society, composed of the counties of Boone, Clinton and Montgomery, submitted the following report:

*To the State Board of Agriculture:*

The Thorntown Union Agricultural Society, composed of Boone, Clinton and Montgomery counties, was organized on the joint stock plan, July 2d, 1870, by the election of

R. T. GROVES, President.
J. CRAWFORD ROUS, Secretary.
G. W. STATON, Treasurer.
GEO. E. CONRAD, Superintendent.

Capital stock subscribed, thirty-five hundred dollars, ($3,500.) Fifty acres of beautiful shaded and well located ground, half mile east of Thorntown, was leased for fifteen years, and all inclosed with a good, substantial pine lumber fence, seven feet high, with proper gates and entrances.

The improvements made inside the inclosure, are two well arranged halls, one 40 by 100 feet, the other 40 by 80 feet, inclosed and covered with good pine lumber and shingles, with good blinds for light and air. Two commodious dining halls, "office," "music stand," judges stand; two hundred and seventy-five horse stalls, fifty cattle stalls, and a large number of hog and sheep pens; also, a well located and beautiful time track, half a mile long, which lovers of fast stock pronounce a good one.

Our first Fair was held September 27th to Oct. 1st, 1870, inclusive, and was a complete success, as the following report will show.

The number of entries in the several departments, were as follows:

Digitized by Google

ENTRIES.

| | |
|---|---|
| Live Stock | 854 |
| Miscellaneous | 407 |
| Mechanical | 220 |
| Agricultural | 198 |
| Total | 1,679 |

The competition and show in the live stock department was quite extensive and spirited. The other departments were all good, considering this was our first Fair. The weather was fine, and the attendance large. Exhibitors and visitors were all interested, as well as satisfied.

RECEIPTS.

| | | |
|---|---|---|
| Amount of loan | $845 00 | |
| Stock paid in | 2,608 38 | |
| Receipts from Fair | 4,310 42 | |
| Donations | 30 00 | |
| Sale of lumber and shingles | 25 25 | |
| Total | | $7,819 05 |

EXPENDITURES.

| | | |
|---|---|---|
| Improvement of grounds | $4,791 92 | |
| Cash premiums (paid) | 2,326 00 | |
| Printing, music, and expense of Fair | 727 40 | |
| Interest paid | 17 40 | |
| Expenses of Secretary | 50 02 | |
| Total | | $7,912 74 |
| Expenditures over receipts | | $93 69 |
| Total indebtedness | | $938 69 |
| Stock unpaid and due | | 891 62 |
| Balance | | $47 07 |

Digitized by Google

Our grounds will be improved next season, by the building of a commodious amphitheatre, additional halls, &c.

Our Officers and Directors intend to make this Association one of the best in Northern Indiana, for the promotion of agriculture, and the improvement of live stock. And, with the rapid improvement our counties are making in building towns, villages and comfortable farm dwellings, and complete drainage of our soil, we soon expect to be classed with the best counties in our State.

Respectfully,

J. CRAWFORD ROUS, *Secretary.*

---

## JOHNSON, SHELBY, BARTHOLOMEW AND BROWN COUNTIES.

The Secretary of the Edinburg Union Agricultural Society, composed of the counties of Johnson, Shelby, Bartholomew and Brown, would respectfully submit the following report:

*To the State Board of Agriculture:*

This Society was organized in the year 1860, and has continued to hold fairs annually and sustain and encourage the agricultural and manufacturing interests of the district to the present time. The fairs held by the Society have, in every instance, been successful financially and otherwise.

The object of this report is to note the progress of the Society during the year 1870.

The fair was held at Edinburg, September 27th, 28th 29th, 30th, and October 1st, and was highly creditable to all concerned. The competition in the stock department was extensive and spirited—indeed, it was more so than ever before, some of the finest stock in the State being on exhibition The competition in the agricultural department was also very spirited, there being a very large number, and specimens of field and garden products on exhibition of excellent quality.

Digitized by Google

The corn and wheat was worthy of especial note, and was as good, if not better, than any ever shown in the State. In the horticultural department our show was not good, with the exception of grapes, of which there was a large and excellent assortment. In the mechanical department the exhibition was very fine, there being several ingenious and useful machines on exhibition. In the floral hall the exhibition was very fine, which speaks well for the taste of the ladies. The weather was very fine during the week, excepting Thursday afternoon, and the attendance was extremely large. Exhibitors and visitors were all interested, and generally well satisfied. The entries were divided as follows:

ENTRIES.

| | |
|---|---|
| Live stock | 314 |
| Agricultural | 260 |
| Mechanical | 175 |
| Miscellaneous | 276 |
| Total | 1,025 |

RECEIPTS.

| | | |
|---|---|---|
| Receipts from all sources during the fair | $3,725 15 | |
| Paid premiums and expenses | 2,748 93 | |
| Total | | $6,474 08 |
| Net profit of eleventh fair | | $976 22 |

FINANCIAL CONDITION OF SOCIETY.

| | | |
|---|---|---|
| Remaining in Treasury at last report | 5,467 43 | |
| From sale of tickets, entry fees, etc. | 3,725 15 | |
| Total | | $9,192 58 |

Digitized by Google

EXPENDITURES.

| | | |
|---|---|---|
| Paid repairs and other expenses..... | $314 63 | |
| Paid premiums and expense during fair..... | 2,748 93 | |
| Balance in Treasury..... | 6,129 02 | |
| Total..... | | $9,192 58 |

OFFICERS.

SAMUEL CUTSINGER, President.
HARRY LEWIS, Treasurer.
J. I. THOMPSON, Secretary.

Respectfully,

J. I. THOMPSON, *Secretary.*

---

## UNION COUNTY.

The Secretary of the Union County Agricultural Society submits the following report:

LIBERTY, IND., December 1, 1870.

*To the State Board of Agriculture:*

I herewith submit to your honorable Board the fifth annual report of the Union County Joint Stock Agricultural, Horticultural and Mechanical Association:

Our association was organized in 1866, and held their fifth annual fair on the grounds belonging to the association, situated within the corporate limits of the town of Liberty, September 27th, 28th, 29th and 30th, 1870.

Our fair, in point of display, was excellent, and the number of entries exceeded those made at any previous fair held by the association; but owing to the fact that several of our

Digitized by Google

neighboring counties held their fairs on the same days as ours, the attendance of visitors was not so large as what we have had at some of our former fairs.

Our premiums were all paid in cash, and, as a general thing, the exhibitors were well satisfied, only that many think the premiums paid on mechanical work is not so large in proportion as what it is on live stock, taking into consideration the value of articles and the trouble of getting it to the fairs.

The exhibition of horses was not so good as what it has been at some of our previous fairs, owing to the fact of so many fairs being held at the same time immediately around us; but in other stock the display was good, and particularly so in hogs, as the exhibition in that line, both in point of numbers and quality, was not surpassed by any fair in the State, outside of Indianapolis.

The whole number of entries were 1,027.

RECEIPTS.

| | |
|---|---|
| Amount derived from sale of tickets, &c. | $1,080 79 |
| Amount derived from show license | 65 00 |
| Amount derived from rent of stands, &c. | 77 00 |
| Amount on hand from last year | 313 52 |
| Total | $1,536 29 |

EXPENDITURES.

| | | |
|---|---|---|
| Amount paid out on premiums | $1,094 00 | |
| Amount paid out on general order | 345 44 | |
| Total | | $1,439 44 |
| Balance on hand | | $96 85 |

The association owns twelve acres of land inside the corporate limits of Liberty, the county seat of Union county; and owing to the rapid improvement of the town for the last two years, the ground has largely increased in value. The board of directors have therefore taken the matter under

Digitized by Google

advisement in regard to the propriety of selling their present fair grounds, and purchasing land for the purpose further out, where it can be had much cheaper.

The land throughout the county is well improved and very productive. Timber of a good quality, but getting scarce. The county is well watered by living streams, and many good mill seats well improved in different localities throughout the county.

We have no way of telling the number of acres of improved land, or the proportion of timber and improved lands, but the latter predominates, at least four to one.

The whole number of acres in the county as shown by the tax duplicate is 104,393.

| | |
|---|---|
| Total value of lands as shown by tax duplicate | $28,694 57 |
| Total value of improvements as shown by tax duplicate | 3,876 10 |
| Total value of town property as shown by tax duplicate | 1,020 10 |
| Total value of personal property as shown by tax duplicate | 14,586 70 |
| Total | $48,177 47 |
| The actual value is not less than | $9,635,500 00 |

Our farmers are systematic and intelligent, and we consider ourselves incapable of making any suggestions which would benefit them in regard to matters appertaining to their manner of farming and stock raising.

Respectfully,

A. T. DAVIS, *Secretary.*

Digitized by Google

## VIGO COUNTY.

The Secretary of Vigo County Agricultural Society submitted the following report:

TERRE HAUTE, January 2, 1871.

*To the State Board of Agriculture:*

The officers of this Society during the past year have been as follows:

OFFICERS.

C. W. BARBOUR, President.
SILAS PRICE, Vice President.
JOS. GILBERT, Secretary.
A. B. PEGG, Treasurer.
JOHN J. FERREL, Superintendent.

DIRECTORS.

Corey Barbour,
Thomas C. Pugh,
Harvey D. Scott,
John Jackson.
Thomas Dowling,
Hiram Smith,
John Weir,

The receipts of the year have been as follows:

RECEIPTS.

| | |
|---|---|
| Balance on hand | $609 00 |
| Stock paid in | 900 00 |
| Rent of grounds | 600 00 |
| Rent of grounds last year | 180 00 |
| Sundries | 15 80 |
| Receipts at fair | 1,434 85 |
| Total | $3,739 65 |

Digitized by Google

EXPENDITURES.

| | | |
|---|---|---|
| Expense of fair | $1,452 00 | |
| Old debt and interest paid | 1,367 48 | |
| Rent of ground | 170 00 | |
| Salaries for 1869 | 80 00 | |
| Terre Haute Horticultural Society one third of license fund | 41 65 | |
| Sundries | 29 80 | |
| Dividend on $3,000 stock at 15 per cent. | 453 75 | |
| | | $3,594 68 |
| Balance | | $144 97 |

Our Society is in a prosperous condition. We have paid all the old debt, which has been hanging over us since the State Fair was held here in 1867. We are now out of debt, have just paid a dividend of 15 per cent., have well improved grounds leased without rent for seventeen years, and the future looks bright. The fair this year was about as usual, the weather good, the attendance good two days, the exhibition about equal to other years, and about the average amount of grumbling and dissatisfaction by exhibitors.

JOSEPH GILBERT, *Secretary.*

---

## WABASH COUNTY.

The Secretary of the Wabash County Agricultural Society submitted the following report:

*To the State Board of Agriculture:*

This Society was organized in the year 1853, and has continued to hold Fairs, and sustain and encourage Agricultural and Manufacturing interests of the county to the present time. The object of this report will be to note the progress of the Society for 1870.



Digitized by Google

The Society is the owner of ten acres of land, lying within the corporate limits of the City of Wabash, and has leased, by the year, two acres more, which makes about twelve acres,—surrounded by a good plank fence, seven feet high, with proper gates and entrances. When the ground was purchased by the Society, several years ago, it was in its original state of nature, it being covered with forest trees. A large amount of this timber was left standing, which makes it a very pleasant place at all seasons of the year. The buildings within the grounds consist of three halls, each 24 by 60 feet, and one other hall 20 by 60 feet, an office, together with a large number of cattle and horse stalls, sheep, hog pens and such other fixtures as are common to such grounds. A track of one-fourth of a mile in circuit, is graded, for a show and stock ring, and another track of about one-half mile in circuit is graded, for the accommodation of equestrians, and for the axhibition of fast time horses, horses in harness and under the saddle. There is also erected an amphitheatre overlooking the ring and grounds, sufficient for the accommodation and seating of five thousand persons. One well is sunk, walled, and furnished with a pump. There is also a creek running through the grounds, which furnishes an abundant supply of stock water at all times.

The Fairs are generally well attended; but the attendance this year exceeded any previous year. The exhibition was larger than ever before, and the stock and articles exhibited, was of the most excellent kinds and quality. Heretofore, at what we esteemed as our most successful Fairs, all the departments were not fully represented; but this year every department was liberally represented.

The Fair was held at Wabash, September 20th, 21st, 22d and 23d, and was highly creditable to all concerned. The weather was very fine, and exhibitors and visitors were all interested and well satisfied. The number of entries were 1,476. The amount paid for premiums awarded was $2,114 25. The receipts were as follows:

Digitized by Google

RECEIPTS.

| | |
|---|---|
| From old fund | $195 59 |
| From County Treasurer, and shows | 40 00 |
| From Membership, sale of tickets, &c | 3,359 43 |
| Total | $3,595 02 |

EXPENDITURES.

| | | |
|---|---|---|
| Paid for lumber, work and materials for fitting up grounds | $452 33 | |
| Paid for premiums, and printing at Fair. | 2,227 25 | |
| Paid miscellaneous expenses at Fair... | 660 73 | |
| Total | | $3,340 31 |
| Which leaves a balance of | | $254 71 |

The soil and timber of this county are good. The quality of much of the soil is excellent. The timber is fine, and comprises almost every variety. The timber is fast being converted into sawed, split and hewed stuff, for transportation, for the various purposes to which timber is applied. One of the most notable features of this county, are the fine stone quarries. Both lime and building stone are abundant.

The number of acres of land placed upon the tax duplicate, is 272,000. There is no statement, however, of the amount cultivated. The crops consist of corn, wheat, oats, vegetables and all the grasses, and, with proper culture, are remunerative and satisfactory.

| | |
|---|---|
| The value of lands for taxation is put down at. | $3,759,490 00 |
| The value of improvements at | 2,580,785 00 |
| The value of personal property at | 2,206,605 00 |
| Total value of taxables | $8,546,880 00 |

The actual value is probably $2,848,000 more in the county.

Our system of farming is not yet as thorough as it should be in many respects, but there is an active interest, and a spirit of

Digitized by Google

improvement in this regard. There should be more grass and better stock, fewer acres plowed for cultivation, deeper tillage, and more thorough drainage. The latter is receiving special attention, and no enterprise of our citizens promises such advantages and important results to the agricultural wealth of our county.

OFFICERS.

HEZEKIAH CALDWELL, President.
THEODORE J. RILEY, Treasurer.
ALVAH TAYLOR, Secretary.

Respectfully submitted,

ALVAH TAYLOR, *Secretary.*

---

## WARRICK COUNTY.

The undersigned, Secretary of the Warrick County Agricultural Society, would respectfully submit the following report of the fourteenth annual fair, held at Booneville, October the 11th to the 15th, 1870:

*To the State Board of Agriculture:*

OFFICERS.

DAVID L. HART, President.
JAMES ADAMS, Vice-President.
W. J. HARGROVE, Secretary.
LEWIS J. MILLER, Treasurer.
THOMAS J. DONNS, Superintendent.
B. S. FULLER, Marshal.

This Society was organized in the year 1856, and has continued to hold fairs, and sustain and encourage the agricultural and manufacturing interests of the county to the present time.

Digitized by Google

The object of this report will be to note, to some extent, the progress of the Society for 1870. At a meeting held on the first Saturday in November, 1869, for the purpose of electing officers of the Society, proceedings were had and plans inaugurated which resulted, during the summer following, in the building of a very beautiful amphitheater capable of seating at least five thousand people. Our Society has now one of the *very* best fair grounds in Southern Indiana. The premises inclosed contain twenty-two acres of land, high and level, and the best adapted for the general purposes of a fair ground of any that I have seen.

In addition to our new amphitheater, we have three sheds, ninety feet in length, ladies' and gentlemen's dressing rooms, a stand to be occupied by the band, after the latest and most approved style. We have, also, a time track, which is half a mile in circumference, and any amount of sheep and hog pens, cattle and horse sheds; in fact, we have every convenience that an Agricultural Society, organized and sustained by a wide-awake and progressive people, would be expected to have. We have, besides, a dining hall, and one that would be a credit to any county in the State, and as a testimonial to the proprietor, Mr. Harmon Harpole, for the very worthy manner in which he has sustained the same, the Society has given him a perpetual privilege, free of any charge, to continue the *trade*.

The list of premiums offered by the Board were very liberal, and on the cash system. A second premium was offered on every animal and article enumerated in the list, and in some of the divisions a third and fourth premium was awarded. The fair held October 11th to 15th was highly creditable to all concerned. The competition and show in the stock department was very extensive and spirited. The weather was fine, and the attendance much larger than was to be expected. Exhibitors and visitors were all interested, and generally well satisfied.

The number of entries received by the Secretary were nine hundred and forty-seven. The amount of premiums awarded and paid at the close of the fair were two thousand one hun-

Digitized by Google

dred dollars and seventy-five cents. The receipts are as follows:

RECEIPTS.

| | | |
|---|---|---|
| Cash on hand from last year..... | $548 00 | |
| Cash received from Treasurer as show license ..... ..... | 150 00 | |
| Cash received from membership..... | 1,428 00 | |
| Cash received on sale of tickets..... | 820 65 | |
| Cash received on entry fees..... | 408 45 | |
| Cash received on sales huxster stands, | 398 30 | |
| Total..... ..... | | $3,753 40 |

EXPENDITURES.

| | | |
|---|---|---|
| Paid out on premiums..... | $2,100 75 | |
| Paid out on Amphitheater.... .... | 1,510 70 | |
| Expense of printing, etc..... | 140 00 | |
| Expense of fitting up fair ground.... | 165 00 | |
| Total. ..... | | $3,916 45 |
| Leaving the Society behind..... | | $163 95 |

The directors, since the close of the fair, have borrowed the money and paid the entire indebtedness. Hence, I feel authorized in making the statement that, financially, our last exhibition was a success. The expense in fitting up the old ground, and in making new improvements, was so heavy that it was not expected by the officers or directors that the Society would come out whole.

Next year we propose to add many inducements to the list of premiums. We will avail ourselves of every possible means, not only to make the next fair a success, but to make the exhibition in every department, both in number and qualty, eclipse any former exhibition in this county. Our farmers and mechanics are, as a class, a progressive people. They are fully up to the standard of the times. Every means cal-

Digitized by Google

culated to advance the agricultural and mechanical interest of the county, add refinement to society, and to diffuse knowledge and general intelligence among the yeomanry of our county, is being made use of. We have every reason to be proud of our county and her citizens. Our soil, for fertility and general productiveness, is excellent. For adaptability to the growth of all the various kinds of grain, all the kinds of grapes, and tobacco, which is one of the staple products, our county is certainly unequaled by any other in the State. We have not only a quality of soil for agricultural purposes, adapted to all the wants of man, but we have a world of wealth beneath the surface—we have coal inexhaustable in quantity. In any part of our county coal can be found in *strata* from four to seven feet in thickness. We have, also, a great abundance of limestone. In very many places in this county coal has been taken out *over-arched* by a limestone roof. The timber of our county is good, and consists of all the varieties common to the summit land of the country.

The number of acres of land placed upon the tax duplicate is two hundred and sixty-seven thousand seven hundred and thirty-eight. There is no statement, however, of the amount cultivated. It is estimated that one-half of this is cultivated in pasture, meadow or grain. Our crops consist of corn, wheat, oats, buckwheat, vegetables, all the grasses, and tobacco. The value of lands for taxation is put down at two million six hundred and forty-eight thousand one hundred and twenty-five dollars; value of improvements, seven hundred and fifty-six thousand three hundred and twenty dollars; personal property is put down at one million seven hundred and sixty-two thousand five hundred and thirty dollars; total taxables, including personal, is five million one hundred and sixty-six thousand nine hundred and seventy-five dollars.

The time of holding the next annual fair in this county is set for the second Tuesday in October, A. D. 1871.

Respectfully,

M. W. BENNETT,
*Secretary, Pro tem.*

Digitized by Google

## WAYNE COUNTY.

The Secretary of the Wayne County Joint Stock Agricultural Society submits the following report:

*To the State Board of Agriculture:*

This society was organized in the year 1867, and has continued to hold fairs and sustain and encourage the agricultural and manufacturing interests of the county to the present time. The object of this report will be to note the progress of the society for 1870. We have twenty-seven acres of ground, surrounded by a good plank fence, with proper gates and entrances. The buildings within the grounds consist of three halls, an office, together with a number of cattle and horse stalls, sheep, hog pens, and such other fixtures as are common to such grounds. A track one half mile in circuit is graded within the stock ring for the accommodation of equestrians, and for the exhibition of horses in harness and under the saddle. Three wells are sunk, walled and furnished with pumps, a dining hall, &c.

The board offered more cash premiums in the enumerated lists of a lower grade than they would have done under more flattering circumstances. The writer, however, is not partial to high premiums, but in lieu thereof would recommend an increase of the number to be awarded in lists where the competition is large and close. Have a first, second and third, and even a fourth premium where the funds and competition will justify.

The fair was held at Centreville September 10th, 11th, 12th and 13th, and was highly creditable to all concerned. The competition and show in all departments was not as extensive and spirited as it should have been, but this will not be likely to occur next year. The weather was very fine and the attendance much larger than was to be expected under all the surroundings. Exhibitors and visitors were all interested and generally well satisfied. The entries were 525. The

Digitized by Google

amount of premiums awarded $1,588 50. The receipts are as follows:

RECEIPTS.

| | |
|---|---|
| From old fund | $109 35 |
| From County Treasurer—licenses of shows | 60 00 |
| From membership and sale of tickers at fair, rents and entry fees | 1,599 65 |
| From stock, pasturage and other sources | 1,742 91 |
| Total | $3,511 91 |

EXPENDITURES.

| | |
|---|---|
| Paid for premiums. help, printing at fair, and sundry other expenses | $3,311 66 |
| Which leaves a balance of | $200 25 |

The number of acres of land placed upon the tax duplicate is 242,709. There is no statement, however, of the amount cultivated. It is estimated that one half of this is cultivated in pasture, meadow or grain. The crops consist of corn, wheat, oats, buckwheat, vegetables and all the grasses, and with proper culture are remunerative and satisfactory. The grasses, such as blue grass, timothy, clover and red top, grow in great luxuriance wherever they have any attention. The blue grass seems readily to take the pastures, and is one of the best grasses for pastures in early summer, fall and winter.

The value of lands for taxation is put down at $7,451,955, and the value of improvements at $1,372,285, and total value of taxables, including personal, at $8,824,230. The actual value is probably $16,000,000 or more, in the county.

Our system of farming is not as thorough as it should be in many respects, but there is an active interest and a spirit of improvement in this regard. There should be more grass and better stock, fewer acres of corn, deeper tillage, and more thor-

Digitized by Google

ough drainage. The latter is receiving special attention, and no enterprise of our citizens promises such advantages and important results to the agricultural wealth of our county.

OFFICERS.

RANKIN BALDRIDGE, President.
JOHN K. JONES, Treasurer.
C. S. DUHADWAY, Secretary.

Respectfully,

C. S. DUHADWAY, *Secretary.*

Digitized by Google

Digitized by Google

## RECAPITULATION OF COUNTY AND DISTRICT SOCIETY REPORTS OF 1870, COMPILED FROM THE FOREGOING PUBLISHED REPORTS.

| COUNTY. | PRESIDENT. | SECRETARY. | Time of Electing Officers. | PLACE OF FAIR. | RECEIPTS. | ENTRIES | REMARKS. |
|---|---|---|---|---|---|---|---|
| Allen | S. P. Randall | A. M. Taylor | | Ft. Wayne | | | |
| Bridgetown Union Ag. Society | | Dempsey Seybold | | | $2,431 77 | | |
| Boone | A. J. Boone | A. J. Boone | January 7 | Lebanon | 2,831 35 | 553 | |
| Decatur Township Agricultural | Moses Allin | J. F. Mills | | | | | |
| Decatur | A. J. Draper | Frank M. Weadon | December 1 | Greensburgh | 3,030 00 | 1,352 | |
| Daviess | W. Helpenheustine | Wm. D. S. Bynum | | | | | |
| Dearborn | W. H. Baker | S. McElfresh | | Lawrenceburgh | 1,576 39 | | |
| Elkhart | Thomas Miller | J. W. Irwin | May | Goshen | | | |
| Fountain, Warren & Vermillion | E. Schlosser | Isaac Houpt | February 4 | Covington | 2,215 00 | 590 | |
| Fayette | A. T. Beckett | Jno. L. Baily | November 4 | Connersville | 5,498 48 | 894 | |
| Fountain | J. W. C. Shultz | Geo. A. Pynchon | December 5 | Attica | | 535 | |
| Fall Creek Agricultural Society | H. Craven | C. S. Henry | February 4 | Pendleton | 1,047 60 | 775 | |
| Fulton | | Daniel Agnew | January 3 | Rochester | | | |
| Grand Prairie Ag. Society | James Mathers | Richard G. Odell | December 24 | Pine Village | 2,111 75 | 842 | |
| Gibson | W. L. Dorsey | J. C. Holcomb | November 4 | Princeton | 3,364 85 | 999 | |
| Gosport District | W. H. Fritz | T. C. Bailey | | Gosport | 2,000 00 | 800 | |
| Grant | H. Shugart | D. P. Cubberly | | Marion | 1,425 00 | 626 | |
| Huntington | P. W. Zent | B. Simonton | December 2 | Huntington | 2,009 43 | 697 | |
| Henry Union Agricultural | J. W. Walker | Gordon Ballard | | Knightstown | 4,895 49 | 1,242 | |
| Hendricks | Frank Haynes | Jno. V. Hadley | December 2 | Danville | 1,607 70 | 622 | |
| Hancock | Jno. White | J. S. Carr | | Greenfield | 1,242 00 | 768 | |
| Honey Creek Ag. Society | S. J. Schooley | J. Johnson | December 31 | New London | 958 20 | 800 | |
| Hamilton | J. M. Bray | L. O. Clifford | March 6 | Cicero | 4,661 12 | 507 | |
| Harrison | D. Jordan | S. B. Luckett | January 2 | Corydon | 2,413 90 | 632 | |
| Johnson | C. B. Tarleton | R. S. Taylor | | Franklin | 3,020 98 | 1,682 | |
| Jefferson | J. G. Wright | J. B. Dickoy | December 8 | North Madison | 2,873 27 | 680 | |
| Kosciusko | A. W. Holbrook | J. B. Dodge | | Warsaw | 633 35 | | |
| Laporte | J. W. Jessup | William Niles | | Rolling Prairie | 1,342 77 | 684 | |
| Lagrange | | F. P. Griffith | | Lagrange | 375 20 | 357 | |
| Lawrence | J. T. Mitchell | C. T. Woolfolk | | Bedford | 1,189 50 | | |
| Madison | Wm. Crim | J. F. Wildman | May 6 | Anderson | 3,273 23 | 326 | |
| Morgan | J. E. Burton | R. V. Marshall | November | Martinsville | 1,275 00 | 437 | |
| Montgomery | S. Gilliland | A. W. Lemon | February 4 | Crawfordsville | 1,703 80 | 879 | |
| Marion | L. W. Hasselman | J. T. Francis | | Indianapolis | 751 30 | 450 | |
| Monroe | A. Ketchum | M. L. Snodgrass | | | 2,671 15 | 641 | |
| Parke | John Pickard | J. W. Chapman | December 30 | Bloomingdale | 348 25 | 870 | |

Digitized by Google

## RECAPITULATION OF COUNTY AND DISTRICT SOCIETY REPORTS OF 1870, COMPILED FROM THE FOREGOING PUBLISHED REPORTS.—Continued.

| COUNTY. | PRESIDENT. | SECRETARY. | Time of Electing Officers. | PLACE OF FAIR. | RECEIPTS. | ENTRIES | REMARKS. |
|---|---|---|---|---|---|---|---|
| Posey | L. A. Burke | John Preaus | | New Harmony | $3,533 82 | 1,015 | |
| Putnam | R. M. Hazlett | T. C. Grooms | December 5 | Greencastle | 2,012 20 | 604 | |
| Rush | J. L. Caldwell | L. Link | | Rushville | 3,918 89 | 1,015 | |
| Sullivan | A. H. Thornhill | N. L. Buff | December 2 | Sullivan | 2,594 48 | 498 | |
| St. Joseph | Irwin Skinner | W. L. Kizer | October 28 | South Bend | 753 0- | 577 | |
| South Eastern | O. P. Cobb | L. A. Hurlbert | | Aurora | 2,047 80 | | |
| Spencer | Jno. Beeler | A. W. Garlinghouse | December 2 | Rockport | 1,700 51 | 428 | |
| Tippecanoe | H. T. Sample | J. M. Boggs | | Wea | 1,9 7 85 | 375 | |
| Thorntown Agricultural Society | H. T. Grooves | J. C. Rous | | Thorntown | 4,310 42 | 1,674 | |
| Union Agricultural Society | S. Cutsinger | J. I. Thompson | November 11 | Edinburgh | 3,725 15 | 1,025 | |
| Union City Ag. Society | | A. T. Davis | | Liberty | 1,222 77 | 1,027 | |
| Vigo | C. W. Barbor | Jas. Gilbert | | Terre Haute | 1,434 85 | | |
| Wabash | H. Caldwell | A. Taylor | December 16 | Wabash | 3,359 43 | 1,476 | |
| Warrick | Daniel L. Hart | W. J. Hargrave | | | 3,105 40 | 947 | |
| Wayne | R. Baldridge | C. S. DuHadway | January 7 | Centreville | 4,402 56 | 525 | |

Digitized by Google

Digitized by Google

# CORRESPONDENCE.

The following correspondence is published for the information of exhibitors, and intended to settle the interrogatories therein propounded.

SECRETARY.

Digitized by Google

Digitized by Google

***THE SULKY MOWER.***

(ON THE ROAD.)

**Manufactured by TOLEDO AGRICULTURAL WORKS, Toledo, Ohio.**

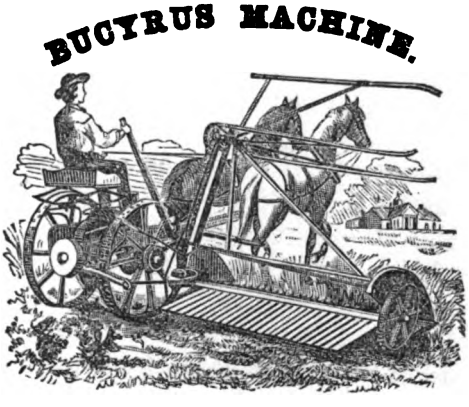
**Exhibited by J. GEO. STILZ, Indianapolis.**

***MASSILLON EXCELSIOR.***

(AS A MOWER.)

**Manufactured by MASSILLON EXCELSIOR WORKS, Massillon, Ohio.**

**Exhibted by A. L. WEBB, 83 Masonic Hall, Indianapolis.**




***BUCYRUS REAPER AND MOWER.***

**Exhibited by R. L. LUKENS, General Agent, Indianapolis.**

Digitized by Google

Digitized by Google

MRS. M. D. TAYLOR,

VS.

# AMATEUR AND AMATEUR LIST OF FLOWERS.

---

INDIANAPOLIS, September 19, 1870.

JOSEPH POOLE, ESQ., *Secretary Indiana State Board of Agriculture, Indianapolis:*

DEAR SIR—Please allow me to submit the following interrogatories relative to your approaching fair, so that, should I conclude to become an *amateur* exhibitor in Floral Hall, I can do so understandingly: Of what does the word *amateur* mean and in what sense will your awarding committee be instructed to determine?

Will plants not grown by the exhibitors, and which are *known* to have been *recently bought and borrowed*, be allowed to enter as amateur, and come into competition for premiums with those that are the productions of *private houses*, grown by *private culture* on private grounds? Will plants cultivated by our *State institutions* be allowed to enter in the same list? How will your rulings in cut flowers and bouquets stand as to above?

These are matters I would be gratified to learn, as I do not wish to encounter the displeasure and difficulties, and above all the most bare-faced *injustice* that seems to have characterized the rulings of the late Indianapolis fair.



Digitized by Google

My collection of plants are too precious to me, to array in Floral Hall again, without some assurance of absolute fairness being administered in the sense of what ninety-nine out of every hundred believe to be and to mean, the proper and only rational meaning of the word "*Amateur*."

Respectfully,

MRS. D. M. TAYLOR.

---

INDIANAPOLIS, IND., September 20, 1870.

MRS. D. M. TAYLOR, *Indianapolis, Indiana:*

MADAM—Your favor of the 19th ult. received, and contents noted. You ask me as Secretary of the Indiana State Board of Agriculture, first: "Of what does the word *amateur* mean and in what sense will your awarding committee be instructed to determine?" In reply, I would say, the word amateur, when properly defined, undoubtedly means, a lover of some particular pursuit, one who cultivates any study or art from taste or attachment, one who has a peculiar fancy and turn of mind in a certain direction and for a certain object or pursuit from natural inclination, without pursuing it professionally or for the purpose of making money by traffic or trade. In what sense our awarding committee will be instructed, I cannot positively say, as those instructions, when required are given by a majority of the Board. But I have but little doubt they will accord with the above definition of the word *amateur*. Second: "Will plants not grown by the exhibitor and which are known to have been borrowed and bought, be allowed to enter as amateur and come into competition for premiums with those that are the production of private houses, grown by private culture on private grounds.' I should answer, *Certainly not*. Borrowed plants, if known, never could or should compete. Their exhibition would be a *fraud*, and if proven, would vitiate and annul any premium

Digitized by Google

## *MASSILLON EXCELSIOR*

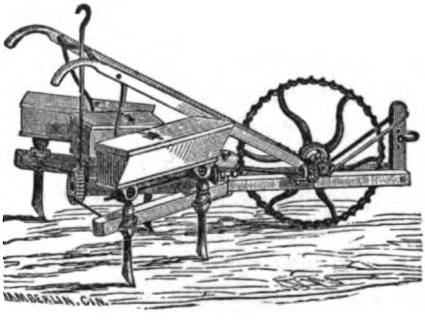
### AS A REAPER.

**Manufactured by MASSILLON EXCELSIOR WORKS, Massillon, Ohio.**

**Exhibited by A. L. WEBB, 83 Masonic Hall, Indianapolis.**

## *CAHOON'S HAND SEED SOWER.*

**Exhibited by J. GEO. STILZ, Indianapolis.**



## *ONE-HORSE WHEAT DRILL.*

**Manufactured by HOOSIER DRILL CO., Milton, Wayne County, Indiana.**

Digitized by Google

Digitized by Google

that might be awarded. *All articles must be exhibited* in the *name* of the owner or by the agent. Very recently purchased plants, expressly for the occasion, with little or no care and less cultivation by the exhibitor, are not, in my judgment, within the true spirit and meaning of *amateur*, as intended to be conveyed in our premium list. They must be owned, cultivated and cared for; labor, time and attention bestowed upon them, and adopted, as it were, in the family of plants, previous to the time of exhibition. If such was not a fair construction, any man with plenty of means, just previous to an exhibition, might purchase a superior collection of choice plants, exhibit them at the fair for premium and show, and pay but little attention to them afterward. Third: "Will plants cultivated by our State institutions be allowed to enter in the same list?" I should say they will not, from the fact that they are cultivated and cared for by hired help—employees—that may have no love, taste or attachment for them whatever, and, in fact, may dislike them. The managers or persons having control of the institution, may be of the same disposition, then who is the amateur? The institution can not be; it has no volition or will; no mind; it cannot have a love for, or cultivate a taste or attachment, and cannot be an amateur. The gardner or managers, though they may have a peculiar love, taste and attachment, may cultivate, bestow much labor and time; may love the pursuits and be a perfect amateur in interest, taste and feelings. Yet they could never exhibit, compete for or receive a premium, from the fact that they are not the owners of the flowers or plants exhibited. Fourth: "How will your rulings in cut flowers and bouquets stand as above?" I should say they would occupy precisely the same position and be governed by the foregoing answers. I think these answers are in keeping with the true spirit, meaning and definition of the word *amateur* and that any other construction would be a perversion of the intention of the State Board. These are my private opinions as Secretary and member of the State Board; but I feel confident they will be sustained, and should give my influence and vote

Digitized by Google

in that direction. I have just returned from the fair grounds, where I have ordered material and important changes in the Floral Hall, which will give a splendid opportunity for display. And hope that I may have your efforts and influence in making one of the grandest exhibitions of flowers ever shown in Indianapolis.

Very truly, yours,

JOSEPH POOLE,

*Secretary Indiana State Board of Agriculture.*

Digitized by Google

# CLAY COUNTY EXCURSION.

INDIANAPOLIS, April 5, 1870.

At the February meeting of the Indiana State Board of Agriculture a resolution was offered and adopted authorizing Dr. E. T. Cox, State Geologist, to inaugurate an excursion to the Clay County and Brazil Coal Fields, and to invite capitalists, manufacturers, scientific men, and such other persons as he might think would take an interest in developing the mineral wealth of the State. This excursion was a perfect success, and exhibited vast resources of wealth to the invited guests, and did much for the reputation of our State. The following is a fair report of the excursion:

The following is a list of those who came up from Louisville and New Albany to join the Clay County Excursion, which took place April 5, 1870.

LOUISVILLE DELEGATION.—G. W. Morris and G. S. Moore, of the firm of George S. Moore & Co., pig iron merchants; Dr. E. Hutchings and J. Morgan Coleman, of the Kentucky Rolling Mill Co.; R. Kyle, of the Falls City Stove Foundry; James Anslie, Louisville Foundry; Samuel A. Miller, Union Foundries; John Hikes, Boone Warehouse; J. L. Lonyser, Eagle Foundry; W. W. Drummond, Variety Foundry; Wm. Patterson, Iron Merchant; Charles Hermany, Chief Engineer Louisville Water Works; S. Baker, Steamboat Blacksmith Works; E. Benjamin, Superintendent Louisville Bridge and Iron Co.; Dixon Lawers and A. Peabody, Dodge's Plow Works; E. H. Hartwell, Ohio Falls Car Co.; J. W. Stine, Hope Woolen Mills; Col. Harvey Scott, Superintendent Louisville and Indianapolis Railroad Line.

NEW ALBANY DELEGATION.—W. C. DePauw, Ohio Falls

Digitized by Google

Iron Works; J. Bragdon, New Albany Rolling Mill; R. H. Campbell, White Line, Louisville; J. H. McMahan, Coal Dealer; H. O. Cannon; I. P. Smith, Architect and Builder; S. S. Marsh, Steamboat Blacksmith Works; P. V. Albright, New Albany Woolen Mills; W. F. Tuley, New Albany *Ledger*.

In addition to the above there were some thirty-five or forty more on the early morning trains. There were also about twenty from Michigan City, and ten from Laporte, but we could obtain no other names.

### THE GRAND CLAY COUNTY COAL FIELD EXCURSION—THE DAY—THE TRAIN—EXCURSIONISTS—THE MINES, FURNACES, ROLLING MILLS, ETC., ETC.

Providence favored the enterprise by granting for it one of the brightest and pleasantest days of the season. If Professor Cox had been gifted with a prophetic eye he could not have selected a day better suited to his purpose.

### THE COMPANY.

The excursion company was as fine looking a set of men as could be collected together in this or any other State, hale, hearty, well preserved—good livers all, we should say—and all in the best imaginable humor with themselves and the rest of the world.

Promptly at the hour, the long train of seven handsome and well-filled cars, generously provided by the Terre Haute and Indianapolis Railroad Company, started from the Union Depot. The cars furnished for the excursionists were all new and handsomely ornamented and finished. They were manufactured in the latest and most approved style at the Dayton car works, for the St. Louis, Vandalia and Terre Haute road, which is now finished. It was very kind of the company to add to the pleasures of the excursion by giving us the first use of these superb and luxurious cars. They formed the finest train that ever left the city. The train ran at the regular rate

Digitized by Google

of passenger trains on this road, about thirty miles per hour, and kept just in advance of the regular express train, reaching Mill branch at precisely 10:35, the hour appointed. The excursion train from Terre Haute arrived at the same moment, and both trains being connected were run out on the coal switch a distance of two miles, stopping first at the

### STAR MINE,

Owned by Messrs. Thomas and Lord, of Indianapolis. The perpendicular shaft to this mine is thirty-five feet deep to the surface of the coal, and forty-eight to the bottom of the shaft. A large number of the party had curiosity and temerity enough to allow themselves to be let down upon the cages in which the coal is brought up. The rapidity of the descent into the cold, dark hole was not a pleasant sensation to unsteady nerves, and the experiment was not favorable to silk hats and clean linen. This mine is now producing about ninety tons of coal per day, which is used partly at the blast furnace near the mines, and part at the company's rolling mill in the city. The capacity of the mines will soon be increased to one hundred or one hundred and forty tons daily. Land in this vicinity is valued at $150 per acre.

### PLANET FURNACE.

Returning one mile, we stopped a few minutes at the Planet Blast Furnace, belonging to the Indianapolis Rolling Mill Company. At this furnace about twenty to twenty-four tons of iron is made daily. This iron is of excellent quality, and well adapted for machinery of all kinds.

Iron Mountain ore, from Lake Superior, and bog ore, from Pulaski county, are used at this furnace. The amount of pure iron in the bog ore is about forty-five per cent., while that from Lake Superior yields sixty per cent. The furnace is run on the hot blast principle, and the blast is heated in gas ovens by the waste gas brought from the top of the stack. This furnace is the smallest of the five in the county. The

Digitized by Google

height of the stack is 40 feet; diameter across the boshes, 10½ feet; diameter across the hearth, 4 feet. The furnace was built in the summer of 1867, and went into blast in November of that year. Its daily consumption of block coal is about 40 tons; daily consumption of limestone about ten tons, daily consumption of ore about twenty-five tons. The coal is obtained from the Star mine and another belonging to the company, situated at the furnace. Most of the iron made at the Planet Furnace is worked up into rails at the Indianapolis Rolling Mill, which is owned by the same company.

### THE WESTERN IRON COMPANY'S FURNACE.

Two and a half miles west of the Planet Furnace we came to the iron works and rolling mill of the Western Iron Company, owned by capitalists in Chicago and Cleveland.

These are the largest works of the kind which are yet in operation in the State.

They employ about one hundred and fifty miners and two hundred hands in the furnaces (of which there are two) and rolling mill. About one hundred tons of coal are now used daily in the works, and a large quantity besides is shipped to Chicago. The rolling mill is an immense establishment, and is turning out twenty-five tons per day of bar iron, which is cut into lengths of about five feet, and sent to Chicago to be re-heated and rolled into railroad iron. The visitors have had the rare opportunity, to most of them, of witnessing the manufacture of pig iron, and the operation of rolling it into bars. About thirteen tons were run off for the benefit of the visitors in attendance. The coal at the mines of the company is pronounced superior to most, even of the block coal for smelting purposes.

Both these furnaces are run by one engine, by which arrangement a considerable is made, not only in machinery, but in the outlay for hands. One of these furnaces went into blast in the fall of 1867, the other in December, 1868. The furnace last constructed cost about $70,000, and paid for itself in seven months. During the past twelve months' run-

Digitized by Google

ning it made a ton of pig iron for every hour of the time. The stacks are each fifty feet high, twelve feet across the boshes, and four and a half feet in diameter at the tunnel head. The daily average run of pig iron is forty-five tons of 2,240 pounds to the ton; the daily consumption of ore is sixty tons, and of limestone twenty-four tons. The limestone is obtained from Hamrick's Station and Greencastle Junction, on the Terre Haute and Indianapolis Railroad. The coal used is from the company's mines near at hand.

The Brazil furnace was built in 1867, and "blowed in" on the 8th of December of that year, and is one of the largest and best conducted furnaces in the West. The following statistics were furnished by Messrs. Garlick & Collins, and may prove of general interest to the public: It is what is termed a cupola furnace. Its hight is sixty feet, diameter across the boshes fourteen feet, and diameter of trunnel head six feet. Cost of construction $150,000. Daily consumption of fuel (block coal) seventy tons. Consumption of ore forty-five tons. Consumption of limestone sixteen tons. Daily yield of pig iron twenty-eight tons. Number of hands employed about 150.

The limited time that was necessarily given to each of the places to be visited was much regretted by all. It was impossible to do justice to the objects of interest in our programme in the time allotted, but enough was seen and learned to give the excursionists a better idea than they could have had by any other means, of the excellence and value of this wonderful block coal.

### NORTH BRANCH MINES.

About one and a half miles north of the Terre Haute and Indianapolis Railroad we came to the mines owned by Messrs. Weaver & Co., of Brazil. These mines employ twenty men, and produce, when in operation, about fifty tons per day, of good quality of block coal.

The limited demand for coal at present has caused the closing of the works for a time.

Digitized by Google

INDIANA COAL AND IRON COMPANY'S WORKS.

This was the next place at which we stopped. It is on the same switch called North Branch Switch, and about one half mile further north. This mine is owned by parties living in several States, one of the principal stockholders being Mr. Alex. Crawford, of Newcastle, Pennsylvania. A large proportion of the coal from this and the other mines in this vicinity is sent to Chicago, during the winter, especially.

M'CELLAND & SON'S MINES

Came next to our notice. These mines send out about sixty tons of excellent furnace coal per day.

THE CLAY COAL COMPANY'S MINES

Were next in our route. They are owned by gentlemen in Cleveland and Youngstown, Ohio, principally. Here we saw a train load of coal on the track. Most of the product of these mines is sent to the nail works at Terre Haute.

THE COAL BROOK MINES

Are about a quarter of a mile from the last named, and at the terminus of the North Branch railroad. The mine is owned and operated by Messrs. Niblack, Zimmerman & Co. The two gentlemen named in the firm reside in Brazil. The other owners in Youngstown, Ohio, and at Philadelphia.

This is one of the largest mines we visited, employing 75 men, and shipping from 130 to 150 tons of coal per day. They ship large quantities of their coal to various points in Illinois as well as to the manufacturing cities of our own State.

These mines are worked by horrizontal shafts. The coal is drawn out by mules in small cars, a number of which were fitted with seats for the use of excursionists. As this was the least unpleasant way of entering the mines, a large number of the party availed themselves of the opportunity.

We came next to the

Digitized by Google

LAFAYETTE IRON COMPANY'S FURNACE,

Owned by Messrs. Masten, Pearce, Chase & Co., of Lafayette. About thirty men are engaged in the mines here, and nearly as many more at the furnace. The amount of iron made by this furnace is about twenty tons per day, which goes to New Albany, Greencastle and Indianapolis. The machinery at this furnace is very superior in size and finish.

This furnace was "blowed in" for the first time on the 20th of May, 1869. Its first cost when completed, not including lands, houses and railroad, was $70,000, and the capital stock was $80,000. It consumes daily of block coal 45 tons, iron ore 37½ tons, limestone 10 tons. The yield of pig iron is 18 tons. The height of the furnace is 45 feet; diameter of boshes 10½ feet; diameter of hearth 4 feet; same at tunnel head 5 feet; temperature of blast 600° Fahr. The side of the ridge which forms the divide between south Otter Creek and the furnace branch is cut down to a vertical face, in order to locate the furnace in such a position that the tunnel-head is on a level with the table-land above. By this excellent arrangement the throat of the furnace is brought on a level with the railroad switch and coal shaft, which is near by, and the filling of the furnace is accomplished direct from the fuel and ore sheds, without the use of the ordinary hoisting apparatus. The excavation that was made for the foundation of the furnace cut through the coal bed.

Our next move was toward Brazil, where we arrived weary and hungry at 3:40 P. M., and found the hospitable Brazilians fully prepared to feed their large party of guests, numbering at least six hundred.

The ladies of the town were out in full force to welcome us, and a magnificent dinner was served up from their fair hands at Thomas' Hall, which, for excellence and quantity, is seldom equaled.

To Major Simpson and Mr. Hibbert, of the Indianapolis

Digitized by Google

and Terre Haute Railroad, the grateful thanks of the whole excursion were tendered for their untiring attention and hospitalities; also, to conductors Jones and McMahan, for the affable manner in which they lent themselves to securing the comfort and pleasure of the party.

### OUR GUESTS—THE FINALE OF THE EXCURSION—THE BANQUET LAST NIGHT AT THE BATES HOUSE.

INDIANAPOLIS, April 6, 1870.

At an early hour last evening the spacious hall, and the reception rooms, of the Bates House were crowded to overflowing with the late excursionists from this city and elsewhere. At ten o'clock the doors of the dining hall were opened, and the assembled guests, upwards of two hundred in number, among whom were about twenty-five ladies, were soon comfortably seated, at three tables, extending from one end of the hall to the other, and which were loaded with good cheer in endless profusion and of unexcelled quality. After the guests were seated, Mayor Macauley delivered the following pithy, eloquent, and witty, remarks:

### MAYOR MACAULEY'S SPEECH.

LADIES AND GENTLEMEN—I find it a somewhat difficult task to speak again before our citizens about Indianapolis. However, I shall say a little. The fatigue of your travels and explorations during the last few days admonishing me to be brief. First, I am sure I represent the sentiment of our people in bidding you one and all a hearty welcome to the hospitalities of our city to-night. We shall endeavor to show you the welcome to-morrow—the city itself. Not a great and rich metropolis, possessing all the wealth, conveniences and luxuries of a capital of older and slower growth, but a young, thriving, and progressive city, of such rapid and substantial development in the past, and of such certain and encouraging promise for the future, as he who runs can not fail to see upon every side. A city of broad, regular, shaded streets. A city of

Digitized by Google

railroads; a city which has doubled itself within the past ten years, and bids fair to do the same again within the next ten years to come. A city, financially, in excellent condition, owing so little, the amount scarcely rises to the dignity of a public debt; while our rate of taxation is less and far from burdensome. Within six months, from fifteen to twenty-five miles of pipe will be laid in our streets, and our city cheaply and well protected by the Holly system of water works. A most celebrated and perfect system of sewerage has been devised and reported by the celebrated engineers, Lane, of Brooklyn, and Chesebrough, of Chicago, and will be put in course of rapid construction this present year. We have cheap fuel, transportation ready in any direction, water, and an excellent water-power, and with the sympathy and encouragement of our citizens warmly extended to all newcomers, it would appear that we are certainly not without some substantial advantages as a manufacturing as well as a railroad center. I think physicians and undertakers are about the only gloomy and despondent members of society we have.

Within the next few years there will be built here a new State House, county Court House, and a City Hall. We will have within a year at least one good long Nicolson street. Our common school buildings are among the finest in the country, and we are blessed with an excellently well managed school system. We have rolling mills, woolen and paper mills, flour and cotton mills, glass works, furniture and other factories and machine shops innumerable.

A large car factory, and another glass house, are being considered, and without doubt will be constructed. A new and first-class hotel is to be at once erected, while sewerage, water works, and a live man—in the person of our host, Wesley—will so regulate, reform and improve the venerable Bates House that even its oldest and most consistent enemy shall fail to recognize it.

All these things, and many others, we hope to show you evidences of to-morrow, but whether any one business man among you may be induced to establish himself with us or

Digitized by Google

not, the welcome extended to you as our guests is none the less sincere and cordial

The Mayor also announced that at nine A. M. to-day the visitors who remain in the city are requested to call at the Chamber of Commerce, where carriages will be in waiting to carry them around the city.

After the hearty discussion of the edibles, Judge E. B. Martindale was called upon, who said that he had the pleasure of accompanying the late excursion, but had no idea of being called on for a speech to-night. He would say, however, that he never knew of anything of the kind which was carried on with more order, and which furnished more pleasure to the participants—all seemed to be anxious to obtain information, and had succeeded. He said he had lived here eight years, and had never seen a day he would live anywhere else. He said there is no State in the Union which contains so many of the elements which are necessary for the use of man, and referred to her iron and coal fields, her timber, and soil, and railroads. He said no man had ever invested his money in this city who had ever regretted it, and prophesied that in two years from this date Indianapolis will be the greatest railroad city in the West, and is not far from it now. He intimated to the guests from a distance that they had better invest in a corner lot before they leave, because this is a thriving and business city, the mechanics are business men, the merchants are business men, and business is the motto of all. The gentlemen then moved a vote of thanks to the people of Terre Haute and Brazil for their hospitalities, which vote was unanimously accorded.

Hon. Thomas A. Hendricks was then called upon. His remarks were brief, and in substance as follows:

LADIES AND GENTLEMEN—I had not expected to be called upon to make a speech here to-night, and must say that I am unprepared to do so. The great advantages of Indiana, her soil and mineral productions, have been spoken of, and I, in common with all my fellow-citizens, am proud of the State. I know that slurs have been cast upon her at times, but am

Digitized by Google

satisfied that they have always come from persons who are ignorant of her present prosperity and her future greatness. From the beautiful Ohio river far away to the great lakes of the North she stretches, and in all that vast domain there is not one acre of land that can not be made useful to man, and to the mineral resources between the White and Wabash rivers, we need not refer, as you have been there to see for yourselves; suffice it to say, our future is already established. The common school system of our State has been fully organized and placed on a sound basis, and the many other concomitants of good society bless us with their presence, and we invite the world to come and live with us. I am glad to see here to-night a delegation from Michigan City, headed by their worthy Mayor. Michigan City has the only harbor in our State where vessels from all parts of the world may lie secure, and the fact that they have such a fine harbor is not because Congress alone has helped the work along, but because the ambition of the people has prompted them to use one hundred and twenty thousand dollars of their own money to improve it. Our railroads reach far away to the North, bringing us the timber and iron ore of the Superior region, and to Missouri, bringing the ore of that State, which, together with our own ores, form a combination which makes an unexcelled quality of iron. The people on the Ohio river have built a bridge across that river that connects us with the Southern country; and here I would remark that the gentlemen who conceived and carried out the grand idea of spanning that broad stream with a bridge of iron, have engraven their names on the future more indelibly than if they had been engraved on tablets of brass. There are men here from many of the States—to them all we give a hearty welcome to our capital city.

General Charles Cruft was then called for, but being absent did not speak.

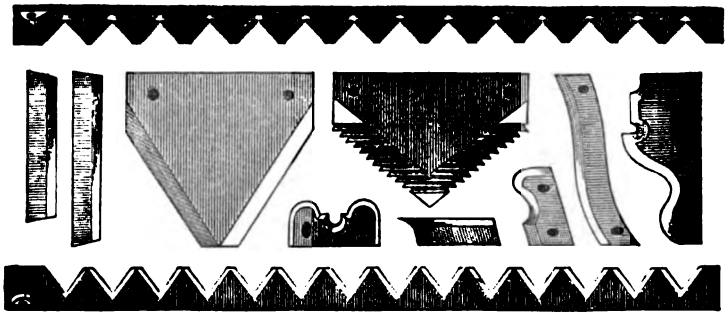
Mr. Delano said: 'Tis not often that I appear as an orator, as I am a private citizen of Terre Haute, and after the good speeches, good feeling and good cheer that have prevailed

Digitized by Google

here to-night, 'tis more than useless for me to speak. Professor Cox has highly favored us by showing us so much of the block coal, and has given us much pleasure in the management of this excursion. He has shown more than any speech of mine could give an adequate idea of, the value of the great mineral regions lying between the White and the Wabash rivers, valuable as being prolific of minerals needed and used throughout the earth, minerals that we have, till within the last few years been dependent on other regions for. Through the exertions of Professor Cox, we have been enabled to see our coals in the mines and our iron flowing from the furnaces.

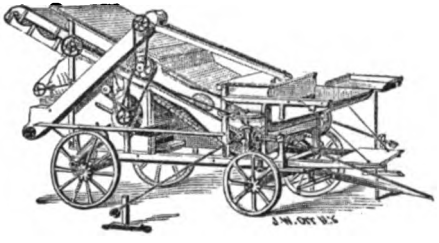
Colonel T. J. Stauber, a member of the Missouri Legislature, who is here in company with a party of other gentlemen, all representing the iron and coal interests of Missouri, was then called on, and made a stirring, eccentric, energetic, eloquent and witty speech. Among other things he said: We have visited your coal fields, and we must say as said the Queen of Sheba, the half had not been told us. Indiana has great coal fields of the best article, and Missouri has energy and railroads, and we are going to make that coal ours. We need it and we are going to have it, and we are going to make return for it. We have inexhaustible beds of the finest iron on the face of the green earth, and now, to-night, I move that we make this the wedding feast, and marry your black boy, "coal," to our brown gal, "iron." There are, in the United States, four great coal and iron centers. Pennsylvania is one, Lake Superior region the second, the vast coal region of Colorado third, and the iron region of Missouri, with her natural adjunct Indiana coal, the fourth. This coal of yours was not intended for Terre Haute, and the other little towns on the railroads between here and St. Louis alone, but also for St. Louis, the future capital of the nation, and the State of Missouri. It binds us together in interest and by patriotism, and speaking of the iron bridge across that little river down here—the—Ohio, I believe you call it. We are having a bridge built, too; not of iron, but of steel, and one that is to span

Digitized by Google



## *REAPER AND MOWER KNIVES.*

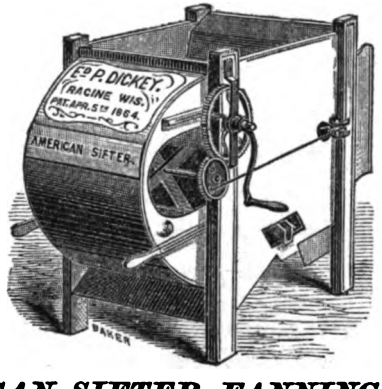
**Manufactured and Exhibited by LONG, BLACK & ALSTATTER, Hamilton, Ohio.**



RUSSELL & CO.'S

## *PREMIUM THRESHING MACHINE.*

**The above cut represents the Three-Hitch Gearing—Double Fan.**
**Exhibited by L. Q. SHERWOOD, Indianapolis.**




## *AMERICAN SIFTER FANNING MILL.*

**Patented by ED. P. DICKEY, Racine, Wis.**
**Exhibited by J. GEO. STILZ, Indianapolis.**

Digitized by Google

Digitized by Google

the great Father of Waters, and the piers are built on air, something never before undertaken. The fact of it is, we are a great people out West. In conclusion, let me say, that in this excursion and these banquets you have far exceeded all expectation. Indianapolis has done her best, and you have almost beat yourselves.

Other speeches were made by Messrs. C. R. Long and Morris, of Louisville; Mr. Ford, of New Albany; President Tarkington, of the Board of Trade; Dr. Vawter, Mr. Joseph Poole, Secretary of the Board of Agriculture; and Mayor Walker, of Michigan City; but the lateness of the hour and other good and sufficient reasons precludes the possibility of making even so much as a synopsis of them.

Votes of thanks to Professor Cox and the Board of Agriculture, to the Terre Haute and other railroads, to the citizens —and especially the ladies—of Brazil and Terre Haute, and the managers of the Bates House, for courtesies, were unanimously and enthusiastically accorded; and the banquet ended.

### EXCURSION ITEMS.

Miners in Clay county make from $3 to $5 per day.

Fifty-six pupils are in attendance at the State Normal School.

Coal averages from $2.25 to $2.50 per ton in cars on the track at the Clay county mines.

Coal lands in the vicinity of Brazil rate at $50 to $150 per acre, owing to proximity to railroads.

A party of surveyors are now engaged in staking a railroad route from Brazil, through the coal regions, to Chicago.

Two hundred and sixteen guests belonging to the excursion



Digitized by Google

party, had rooms at the Terre Haute House, on Tuesday night.

A company, of which Chauncey Rose is at the head, are boring for salt water on the banks of the Wabash, at Terre Haute.

The Terre Haute and Indianapolis Railroad Company are running a side line from Brazil in the direction of Bowling Green.

The estimated area of the Clay county coal field is 192,000 acres, and the value of the coal at four and a half million dollars.

The artesian well at Terre Haute is said to be highly medicinal in its qualities, and is known to be intensely and disgustingly odoriferous.

One thousand tons of coal per day are consumed in the Youngstown, Ohio, furnaces and rolling mills, and as much more is sent to distant points.

In the furnaces and rolling mills common laborers earn $1.75 to $2 per day. Puddlers average $5, and bosses get $6 to $7.50. The foreman gets $8.50 per day.

A manufacturer of stone chinaware, at Cincinnati, was in the excursion party, looking for Clay and other material in Clay county, with a view of establishing china ware works there.

An inquisitive urchin at Terre Haute, on noticing the badge, "State Board Guest," pinned upon the coat of one of the excursionists, inquired, "Please, sir, what's that little rag there for?"

In the excursion party were Mr. T. H. Wells and Mr. H. B. Wicks, of Youngstown, who, with other gentlemen of the same place, are owners of a tract of 30,000 acres of coal land lying north of Brazil.

Digitized by Google

The cost of mining coal in Clay county, averages $2 per ton where small quantities are taken out; in filling large contracts the cost may be reduced to $1.75 per ton. This estimate is given us by an old and experienced miner, Captain W. M. Morris, Superintendent of the Clay Company Mines, who is ready to substantiate the statement with facts and figures, if called upon to do so.

LADIES OF THE EXCURSION PARTY.

Mrs. Gov. Baker,
Mrs. Brade[illegible]
Mrs. Land[illegible]
Mrs. Cady,
Mrs. Mansur,
Mrs. Howard,
Mrs. Judge Morrison,
Mrs. Mendenhall,
Mrs. A. B. Condit,
Mrs. W. G. Neff,
Mrs. Crimmon,
Miss Laura Ream,
Miss Hamrick,
Mrs. Prof. Cox,
Mrs. Baggs,
Mrs. R. M. Patterson,
Mrs. Dr. Wright,
Mrs. Nield,
Mrs. Dr. Kitchen,
Mrs. Warren,
Mrs. Jos. Poole,
Mrs. Wilson,
Mrs. Donohue,
Mrs. T. C. Harrison,
Miss Sallie Morrison,

PROGRAMME OF VISITS TO OBJECTS OF INTEREST BY THE GUESTS OF THE CITY.

Meet at the rooms of the Board of Trade, Sentinel Building, promptly at 9 o'clock, A. M.; 9:30 take carriages. Move east on Washington to Pennsylvania; thence north to Vermont; thence west on Vermont to West street; south on West street to the east gate of Military Park; through the Park to New York street; west on New York street to Blake street; south on Blake to Washington, visiting *en route* Wheat, Fletcher & Co.'s packing house, cotton mill, Giesendorff & Co.'s flouring mills; thence east on Washington to West street, visiting, *en route*, the water power, shops and mills of the West end. Thence south on West street to Kentucky avenue; southwest on Kentucky avenue to the

Digitized by Google

glass works, and White River Iron Works, returning to south street east on same to Tennessee, visiting the Indiana Wagon Works; thence south on Tennessee to the Railroad Iron Rolling Mills and Greenleaf & Co.'s Foundry; thence to Osgood, Smith & Co.'s Hub and Spoke Factory, on Illinois street; thence north to South street, east to Meridian, north to Union Depot and Eagle Machine Works; thence north on Meridian to Georgia; thence east to Shaw, Lippencott & Shaw's Carriage Factory, Sinker, Davis & Co.'s Foundry, and Root & Co.'s Foundry; thence north on Pennsylvania street to Washington street; thence east to East street; thence south to Speigle & Thoms' Furniture and Cabinet Factory; thence north to Washington street; thence east to the Deaf and Dumb Institute; thence north to the United States Arsenal; from the north gate of the Arsenal west to Massachusetts Avenue; thence southwest to North street; thence west to the Asylum for the Blind; thence west on North street to the Indiana Cement Works, Novelty Works, Stave Factory and Saw Mills; thence east to Tennessee street, south to Washington, east to Board of Trade rooms. One citizen is expected to accompany the guests in each carriage to explain objects of interest on the way.

Citizens are requested to report with their carriages at nine o'clock A. M., promptly, that no delay may occur.

RESOLUTIONS OF THE STATE BOARD OF AGRICULTURE.

At a meeting of the Indiana State Board of Agriculture, held at the Bates House, on the 7th of April, 1870, on motion of Mr. Mutz, a committee of three, consisting of Messrs. Poole, Herron and Buskirk, were appointed to draft resolutions expressive of the feelings of said Board for the hospitality, kindness and courtesy extended to them during the Clay County excursion and report at this meeting.

Said Committee reported the following resolutions, viz.;

*Resolved*, That the State Board of Agriculture return their sincere thanks to the proprietors and employes of the different Coal Mines and Iron Works visited by said Excursion, and especially to the people of Brazil for their splendid dinner and

Digitized by Google

kind attention at their city—which was all that could be expected or desired, and will be gratefully remembered by the whole Excursion.

*Resolved*, That we tender to the Board of Trade and the people of Terre Haute our profound thanks for their liberality and kindness while in their city, and to the Terre Haute and Indianapolis Railroad Company, and its worthy and gentlemanly President, W. H. McKeen, for the liberal and prompt manner they furnished the Board with a new and magnificent train of cars, and every accommodation the Excursion could desire.

*Resolved*, That we cordially thank the City Council of Indianapolis for their liberal appropriation of money, and kindly appreciate the efforts of the Board of Trade and the citizens of Indianapolis in general for their many acts of kindness and hospitality extended to the Board, and especially thank the proprietor of the Bates House for his efforts and grand success in furnishing a banquet that was all the most fastidious could desire.

Which resolutions were unanimously adopted by the Board.

JOSEPH POOLE, *Secretary*.

### THE EXCURSIONISTS.

According to the arrangements made by the Board of Trade Committee on Wednesday evening, the guests still remaining were provided with carriages and escorted to various objects of interest yesterday. One or more citizens attended each carriage to point out the public and private buildings of note, and acquaint our guests generaly with the city. The route of the programme published in the JOURNAL yesterday morning was followed with a few exceptions.

The Indianapolis Cotton Mill and the Glass Works were inspected with much curiosity and pleasure, and the Wheel Factory of Messrs. Osgood, Smith & Co., was scarcely less interesting. The White River Iron and Rolling Mill Company's Works, Greenleaf & Co.'s Machine Shops, the Eagle Machine Works and Lippincott, Connor & Co.'s Carriage

Digitized by Google

Warerooms filled all with surprise and admiration. The Deaf and Dumb Asylum and the State Arsenal buildings were the last objects visited by the company. Several smaller parties, however, continued their explorations in various directions during the afternoon. All, without exception, were delighted with our beautiful city, its spacious streets, fine buildings, and especially, with its many evidences of wealth and prosperity, which were nowhere more plainly visible than in the extensive and well conducted manufacturing establishments which were visited. We shall be disappointed if this day's work does not result in great good to our manufacturing interests.

Digitized by Google

# LETTER FROM LAURA REAM.

SMALL TALK ABOUT THE EXCURSION — THE WINTER OF OUR DISCONTENT.

*CORRESPONDENCE OF THE INDIANAPOLIS JOURNAL.*

In its report the *Sentinel* gravely asserts "that a few ladies graced the occasion, although no invitations had been extended in that direction. Among the number were Mrs. Cady, Mrs. Patterson, Mrs. Landis, Mrs. Barnard, Mrs. Kitchen, Mrs. Braden, Mrs. Dr. Wright, Mrs. Baggs, Miss Laura Ream, Mrs. Howard, Mrs. Governor Baker, Mrs. Conditt, Mrs. Professor Cox, Mrs. Mansur, and Mrs. Nield." In behalf of the ladies, I desire to say that we were not only invited, but permitted, through the courtesy of Major Simpson, to retain our letters of invitation as cherished mementoes of one of the very pleasantest occasions of our lives. Just how we happened to be included among the "State Board Guests," we did not care to ask. It did not become us to inquire. We had no more thought of solving the mystery, than of looking a gift horse in the mouth. That is not our way. We accept all the good the gods send, with a grace that doubles and trebles the blessing. When, therefore, as our presence became known, friend after friend made his way to our special car, exclaiming, 'We did not expect *you* along," we did not say much, but our enjoyment was so manifest that one and all added to our welcome.

Digitized by Google

ENJOYMENT.

As the party included some of the most brilliant and beautiful ladies of Indianapolis, words fail me to chronicle the wisdom and wit, good cheer, laughter and glee, that made the enjoyment more like that of an impromptu picnic than a coal excursion. Still, with the main object in view, we made a rush for the first coal mine offered for our inspection, and looked, with all the eyes we had, down the dark and dismal shaft. At the bottom, as we supposed, there was the glimmer of a lamp, which flickered about in a very lonesome, uncertain way, as if it did not belong to anybody, and was left dangling in the air. By degrees we could perceive it slowly ascending, and after a tedious while, a sooty miner was distinguishable, attached. Reaching the level of the earth, he vaulted over the edge of the shaft, with the agility of a cat and a momentum that landed him on all fours. Before he had time to straighten himself, another miner followed, who, in turn, went through with the same quick vault, bounded from the earth, hands on his knees, throwing back of the shoulders and hurried inspiration of pure, fresh air. In a trice there was one, two, three, four, five, ten, fifteen men and three boys out of the mine, ranged along to the right of it, batting their eyes in the sunlight, and observing us with the veiled scrutiny peculiar to the Irish race. How sooty and black they were! with narrow rims of white about their eyes and lips. When addressed, they were civil, and ready to impart information desired. Many of them had recently arrived from the ould country, and expressed themselves delighted with their new field. "We get better wages, and we don't have to go so far under," said one of them to me. While we were talking, the whistle sounded, and we returned to the cars.

The next place of interest was a furnace, where we alighted to observe the casting of pig iron. What with the main trench and beds of a cast-house, it looks exactly as if gardening had commenced. Here for celery, there for lettuce and peas, with a sprinkling of radishes and greens. All at once the door of a

Digitized by Google

furnace, we had lost sight of, opened, and a stream of liquid iron pours out. Master workmen, with hoes in hand, make their way through the dense crowd of excursionists who line the outer trenches. The fiery stream creeps along in a spiral shape, about the thickness of a gas main, for a distance of ten feet, when the first workman in line quickly dams its progress, which has the effect of diverting it into the half-dozen moulds to the left. Then the way is cleared, and another set of moulds is filled, and so on, until the melted ore has crept all over the beds of sand. This work was not accomplished without much labor and heat, and the eager crowd did not need a police force to urge them to "stand back."

Thence we visited the great furnace where rail road iron is made. The blast was not quite ready, and we waited with an interest that I can not describe. Brawney men opened the oven door to see if the ore was in condition, giving it a poke and a flirt and a turn over with long handled forks, as if it had been a flitter, then clapping the door shut again. This was repeated more than once, till at length we had the gratification of seeing the iron door lifted high, when there was a rush, and two men fastened their grappling irons upon a thick log of red-hot iron, which they ran away with, and tossed over to two other men, who played at see-saw with it in half a dozen different rests, passing it then to another set of toilers, who caught it in a swing, where it vibrated, and lengthened from its own weight, and was whirled over before it had time to drop, until adjudged long enough to be handed over and laid out upon the stretchers placed over the cooling vats. Here another set of hands, with curious instruments, ran along the sides and shaped it into the T rail for service. Then it was held stationary under a huge axe, which came down upon it with such fury that, with the pruning of the surplus length, a thousand spit-devil bits flew in every direction. Another turn of the bar, and it comes under a punch, which perforates the holes for spikes. This makes another flash of sparks, which is nothing more than a flying wheel, compared with the previous display of fire-works. By this time the iron is losing its flush, in contrast, it may be, with the new cut of iron just out of the

Digitized by Google

furnace, and is moved along, gently, to keep company with older T rails, waiting their turn to be examined by the inspector, and transferred to the cars for market.

Then we were hurried away to visit other furnaces and mines, each one of such interest that we could have passed a day profitably in its examination.

We took time to inspect the monster hot-air engine that lay under cover to the right of the furnaces. We climed to the gallery around the summit of the furnaces, where fire burneth and is not quenched. High above the chimneys the flames poured in a volume that gathered strength from the window-like drafts invisible from the grounds below. I can not explain the fascination there was about those windows; they opened on a level with the platform on which we stood, and with the roar of the fire and the tumult of the flames—waging war with each other—it seemed just as if they were instinct with life, and some flame, more wicked than the rest, would shoot out, envelop, and sweep us into the fiery whirlpool. I know that as I closed my eyes that night, with visions of the multitude, coal depths, bog iron and Brazil filing before my mind, the memory of that furnace startled me with its sense of danger.

Speaking of Brazil, half has not been told of the enterprise and hospitality of that magical place. Too much credit can not be given to the ladies who assisted in the entertainment. The dinner was more than excellent—it was delicious. Substantial fare, garnished with all the delicacies that could tempt the most fastidious palate, to say nothing of coffee and cream for the multitude.

Arrived at Terre Haute, we enjoyed its hospitalities to the fullest extent. After supper, the party repaired to the side of the Terre Haute House, where its famous echo was tested. A clever gentleman endeavored to account for it by pointing out a bend and projection in the street, neither of which we could realize for the darkness. But the echo was plain. Different words were shouted: "Baker," "Cumback," "ha ha," and "Rely," none of which reverberated as the last. "Rely," "Rely," "ely," "you lie," "you lie," "you lie," "lie," "lie," "lie,"

Digitized by Google

"lie," "lie," "ie," "ie," "ie," eight times out of twenty-four giving the lie direct.

A number of ladies and gentlemen spent the evening with us at the Terre Haute House, and a serenade by a splendid band, closed our part of the day's diversions.

Of the banquet, the flow of welcome and of soul, some one who was present must speak.

Terre Haute is a beautiful city, with a settled look that is not quite like Cincinnati, and does not belong to Indianapolis. It is similar to Cleveland. The business houses are fine, and the private residences exceedingly substantial and elegant. Great attention is paid to the planting of shade trees and shrubbery, which must make it very charming in summer. It has the decided advantage of Indianapolis in point of location. The main portion of the city is built upon an up-land prairie, which overlooks a broad valley that is surrounded by other high lands. The view from Strawberry Hall is beautiful. The Normal School was the first object of our attention. It was our good fortune, as correspondents say, to be present at the morning exercises. We were ushered into an immense recitation room, where I beheld a goodly array of pupils, and an efficient corps or teachers. The exercises consisted in the reading of the Bible, a prayer by the Superintendent of Public Instruction, Barnabas C. Hobbs, and the singing of a hymn. Such a solemn assemblage I never beheld. I waited until the teaching began, to see if the cloud be lifted. No. The definition of a point and line was taught and learned as if it was the whole duty of man. What, with the heat and solemnity, I was almost stifled. Would'nt somebody smile, or be a little improper? Among the teachers was a lady who was pointed out to me as one of the "Innocents Abroad." I looked at her with unbelief. She was a beautiful woman, with fine, clear-cut features, fair complexion, soft, light hair, that fell in short curls over her forehead, and eyes that would have been lovely if they had not been so sad. Was she dreaming of that sojourn in a far off land, which, if as pleasant as it would seem, must make the memory so sad? I felt like paying my respects to her, but there was no breaking over the barrier of reserve.

Digitized by Google

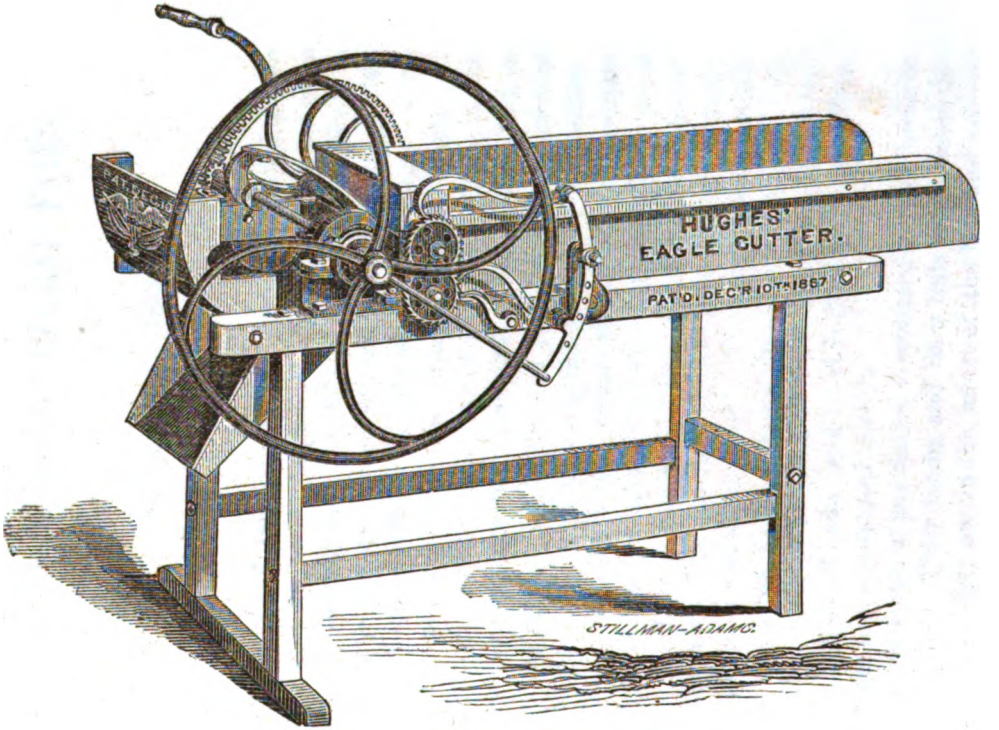
There was no waiting until school was out, and I took my departure.

Going out of the main building, I passed a room where I heard a child's voice say, "The-bee-is-on-the-wing." I paused. "It *is* a bee I see," a smaller voice piped out, and I opened the door. There was primary grade instruction in the room, little children in the care of a lady no bigger than a child, who placed a chair for me, and went on with her teaching. She was rosy and fair, and presided over that little school with a firmness and tact past description. The children were bright and attractive, and I sat for an hour in admiration. I could not disguise my wonder at their proficiency. They read with correctness, and showed a quickness at figures that was really astonishing. Miss Morris informed me that she had taught in Indianapolis, and her old friends will be glad to hear of her present success.

There we enjoyed a delightful drive, thanks to the courtesy of a young lady who entertained us so cleverly that we forgot our weariness. She was both young and fair, and had a sweet, restful voice that vibrates in the memory, and will always be inseperably associated with the sunshine and cheer of Terre Haute. Of her singing we will not speak. The common phrases of admiration are cold and weak to describe the melody that was so rich, full and joyous.

Not less pleasant was the gift of flowers that adorn my table as I write. But it is utterly impossible to enumerate the many kindnesses we received from the citizens of Terre Haute. We parted from them with regret that is only softened by the hope of a future meeting.

Digitized by Google




***STRAW AND FEED CUTTER.***

**Manufactured by EAGLE MACHINE WORKS, Indianapolis.**
**Exhibited by J. GEO. STILZ, Indianapolis.**

Digitized by Google

Digitized by Google

# BENEFITS OF AGRICULTURAL FAIRS.

DANIEL WEBSTER—1849.

The principle of association,—the practice of bringing men together bent on the same general object, pursuing the same general end, uniting their intellectual and physical efforts to that purpose,—is a great improvement in the present age. We saw it years ago,—perhaps I might say centuries ago. It began in the corporations of the cities of the Old World. It began in professional associations of the Old World,—in the legal, the medical and the theological. But it was long in that country and in this, before this principle of combination came to be acted upon in the great system of agriculture; before it was brought to that pursuit of life which is the main pursuit of life; before agriculturalists were brought to act in unison. And the reason is obvious. In cities, communities strive together. The merchants and ship-owners can come together at the sound of the bell. The mechanics, generally living in populous places, may do the same. They have the opportunity of interchanging of sentiments every hour, and what one knows all know, and what is the experience of one, all soon become acquainted with it.

But the agricultural population is scattered over all the fields of the country. Their labors and their toils are, in some degree, isolated; they are in the midst of the hills and valleys, and in the recesses of every solitary forest. There is no 'Change for them to assemble upon at noon. There are no coffee-houses; there are no Atheneums for them to meet at in the evening, and converse on their interests. It has, therefore, become essential to the best interests of the farmers of the com-

Digitized by Google

monwealth, that these Annual Fairs should be established, and that they should be universally attended. And, as his Excellency, the Governor, has remarked, it is not so much on account of what is to be learned by the most eloquent discourses in the public houses, or at other establishments, as from the meeting of men together who have the same general object; who wish for improvement in the general pursuits of life; that they may converse with one another; that they may compare with each other their experience, and that they may keep up a constant communication.

It is in this point of view, in this greatly practical point of view, that these annual fairs are of importance. Why, gentlemen, every man obtains a very good portion of all that he knows in this world, by conversation, — conversation. Intercourse with other minds, is the general source of most of our knowledge. Books do something; but every man has not the opportunity to read. It is conversation that improves. If any one of us here to-day, learned or unlearned, should deduct what he has learned by conversation from what he knows, he would find but very little left, and that little not of the most valuable kind. It is conversation,— it is the meeting of men face to face, and talking over what they have a common interest in. It is this intercourse that makes men sharp, intelligent, ready to communicate to others, and ready to receive intimations from them, and ready to act upon those only which they receive by this communication. Therefore, if there were not a thing exhibited,—if there were not a good pair of steers, nor a fine horse, nor likely cow, in the whole country,—if there be society,—if there be ladies, wives and daughters,—if there be those connected with the tillage of the land, I say that these annual meetings are highly important to progress in the art to which they refer. I come here as a poor farmer, to meet with other better farmers, ready to receive from them any instructions their experience may have taught, and desirous only of suggesting something for their reflection which, now or hereafter, may draw their attention, and draw it usefully to something in the agricultural art.

There is nothing that I know of in my mode of culture of the

Digitized by Google

thin and light lands which I possess, different from the general method of cultivation in this commonwealth, except this: that I have been persuaded, by reading and observation abroad, that there is one species of cultivation almost unknown in the State of Massachusetts, which is still very well suited to the counties of Norfolk, Bristol, Plymouth, and other places where there is a great portion of light land. I mean the root cultivation,—that of turnips and beets. And, from all flights of oratory upon agriculture, I come down to simple beets and turnips, and give you one word of recommendation upon that subject. Now the time is coming, when the light lands must yield to this culture. I argue from analogy. I see that the cultivation of the turnip crop is the very soul and substance of English husbandry. I see that England would fail to pay interest on her National debt, if turnips were excluded from her culture. It is just as certain as any thing in the world, it would be impossible for the cultivation of England to go on, without the culture of turnips. It is several years since it was first introduced there. Nobody here has hardly yet attended to it, and every body there knows all about it. It is the green crop of turnips which has rendered England so rich in agriculture. What are the cattle and sheep of England supported on? On corn or dry wheat? It is not extravagant to say that four-fifths of the beef of England,—the best in the world,—are fattened upon the turnips of England.

As to rearing so many sheep—I do not know the number perhaps sixty or seventy millions of fleeces per year, without turnips, nobody thinks of doing such a thing. Now, I would say that the light lands of this part of the country are as favorable for turnips as in England, with one exception. In England the turnip crop is usually consumed by the animals in the field. It is not a country where there is great severity of winter. The ground is not frozen, for any considerable part of the time to prevent the sheep from being out in all weather. But this is not the case in Scotland, where the crop is especially profitable. There they "draw" it, as it is called, —they house it, and and a very slight covering will keep off the frost there, and also here. This is the basis of their

Digitized by Google

prodigious production of animal food and wool, which those countries yield. I have compared statistics—I have looked at the products of my own small field, and I find that I have now down there—the poorest farmer on the poorest farm, in the poorest county—I have turnips, which I am willing to show, too, and compare with any farmer in Yorkshire. We talk about the breed of cattle. To be sure, it is very important; but allow me to say that no breed can be good, and strong, and fat, and handsome, without good keeping. We must adopt three rules, which the old Cato gave with regard to the raising of animals: "Feed—feed well—feed high!" Now, gentlemen, we see in the eastern part of the commonwealth, cattle, not such as they should be, because we see pastures so dry, so rocky, so covered with bushes, that they would be able to defy all the breeds of creation. The great point to which improvement should tend, is to improve the means of sustaining animals—to increase the quantity and to improve the quality of the food for animals, and I believe that in pursuit of that end, when the turnips of Norfolk will compare not unsatisfactorily with the turnips of England—when there will be numerous individuals who have made their fortunes in this species of culture, that good breeds will necessarily arise. That is my opinion, and I record it now, and leave it recorded for future use. It may not come into fashion in my day. If you do not try it, your children will try it. And if there be any young man here, with a few acres fit for this purpose—if he will put it into proper shape, and will obtain the seed of the sweet turnip, and put it into the ground, between the fourth and tenth of July, pay some little attention, thin it out well once, and if it does not turn out the best and most profitable crop that he ever had, why I wish him to come down immediately to Marshfield.

Digitized by Google

# AGRICULTURAL EDUCATION.

## BUEL—1839.

The wholesome habits of society have been so broken up by the civil and political convulsions of the age, and the inordinate thirst for acquiring wealth and fashionable consequence through mercantile and other speculations, that honest productive labor has been thrown entirely into the background, and considered not only ungenteel, but menial and servile. Yet I venture to lay down this proposition, that he who provides for the wants and comforts of himself and family, and renders some service to society at large, by his mental and physical industry, performs one of the highest duties of life; and wil ultimately be rewarded in the conscious rectitude of his life, by a greater measure of substantial happiness, than he who makes millions by fraud and speculation to be squandered in extravagance, or wasted in folly, by his children or grandchildren. The revolutions which are constantly taking place in families, sufficiently admonish us that it is not the wealth we leave to our children, but the industrious and moral habits in which we educate them, that secures to them worldly prosperity, and the treasure of an approving conscience.

What class in society have within their reach so many of the elements of human enjoyments—so many facilities for dispensing benefits to others—one of the first duties and richest pleasures of life—as the independent tillers of the soil? "The farmer," says Franklin, "has no need of popular favor; the success of his crops depends only on the blessings of God upon his honest industry." If discreetly conducted on the improved prin-



Digitized by Google

ciples of husbandry, agriculture offers the certain means of acquiring wealth, and as rapidly as consistent with the pure enjoyments of life, or with the good order and prosperous condition of society. Agriculture is the golden mean, secure alike from the mushroom of opulence, and the craven sycophancy and dependence of poverty. "Give me neither poverty nor riches," was the prayer of the wise man of Scripture, "lest," he added, "I be full and deny thee and say, 'who is the Lord?' or lest I be poor, and steal, and take the name of my God in vain." When we consider that agriculture is the great business of the nation—of mankind; that its successful prosecution depends upon a knowledge, in the cultivators of the soil, of the principles of natural science; and that our agriculture stands in special need of this auxillary aid; we cannot withhold our surprise and regret, that we have not long since established professional schools, in which our youth, or such of them as are designed to manage this branch of national labor, may be taught, simultaneously, the principles and practice of their future business of life; on which, more than any other branch of business, the fortunes of our country, moral, political and national, essentially depend. We require an initiatory study of years in the principle of law and medicine, before we permit the pupil to practice in these professions. We require a like preliminary study in our military and naval schools, in the science of war and navigation, ere the student is deemed qualified to command. And yet, in agriculture, by which, under the blessing of Providence, we virtually "live, move, and have our being," and which truly embraces a wider range of useful science than either law, medicine, war, or navigation, we have no schools, we give no instruction, we bestow no governmental patronage. Scientific knowledge is deemed indispensible in many minor employments of ife; but in this great business, in which its influence would be most potent and useful, we consider it, judging from our practice, of less consequence than the fictions of the novelist. We regard mind as the efficient power in most other pursuits while we forget, that in agriculture it is the Archimedean lever, which, though it does not move, tends to fill a world

Digitized by Google

with plenty, with moral health and human happiness. Can it excite surprise, that under these circumstances of gross neglect, agriculture should have among us, in popular estimation, a clownish and ignoble employment? In the absence of agricultural professional schools, could we not do much to enlighten and raise the character of American husbandry, by making its principles a branch of study in our district schools? This knowledge would seldom come amiss, and it would often prove a ready help under misfortune, to those who had failed in other business. What man is there, who may not expect, at some time of life, to profit by a direct knowledge of these principles? Who does not hope to become the owner or cultivator of a garden or a farm? And what man, enjoying the blessing of health, would be at a loss for the means of an honest livelihood, whose mind has been early imbued with the philosophy of rural culture, and who would not rather work than beg? An early acquaintance with natural science is calculated to beget a taste for rural life and rural labors, as a source of pleasure, profit and honor. It will stimulate to the improvement of the mind—to elevate and to purify it—to self-respect—to moral deportment, and it will tend to deter from bad habits, which steal upon the ignorant and the idle unawares, and which consign thousands of young men to poverty and disgrace, if not to premature graves. A knowledge of these principles, to a very useful extent, can be acquired with as much facility in the school, or upon the farm, as other branches of learning. Why, then, shall they not be taught? Why shall we withhold from our agricultural population that knowledge which is so indispensable to their profit, to their independence, and to their correct bearing as farmers? Why, while we boast of our superior privileges, keep in comparative ignorance of their business, that class of our citizens who are truly the conservators of our freedom? I know of but one objection—the want of teachers. A few years ago civil engineers were not to be found among us; the demand for them created a supply. We have demonstrated that we have the materials for civil engineers and that we can work them up. We have materials for

Digitized by Google

teachers of agricultural science, which we can also work up. Demand will always insure a supply. We have professional schools in almost every business of life, except in the cultivation of the soil, one of the most important and essential of them all, and one embracing a larger scope of useful study in natural science and in usefulness to the temporal wants of the human family than any other. The policy of monarchs, and of privileged orders, has been to repress intelligence in the agricultural masses, in order to keep them in a subordinate station. But, neither the policy nor the practice should be countenanced by us. Our agriculturists are our privileged class, if we have such. They are our sovereigns, because, from their superior numbers, they must ever control our political destinies, for good or for evil. And the more intelligent and independent we can render them, the more safe we make our country from convulsions of internal feuds and the dangers of foreign war.

I put the question to fathers: Would you esteem that son less, or think him less likely to fulfill the great duties of life, who had been educated in a professional school of agriculture, with all the high qualifications which it would confer for public and domestic influences, than him who had been educated for the counter, the bar, or other high professional callings? On which could you best rely for support and comfort in the decline of life?

Nay, I will venture to carry the appeal further—to the discriminating judgment of the unmarried lady: Would you reject as a partner for life, the student of such a college, coming forth with a sound mind, deeply imbued with useful knowledge, and a hale constitution, invigorated with manly exercise, whose cares and affections were likely to be concentrated upon home and country, and whose prospects and examples would tend to diffuse industry, prosperity and rural happiness around him? The father's response would be, I think, an unhesitating "No," to the first question; and the lady's, after due deliberation, I verily suspect, would be a half-articulate "Amen!"

Digitized by Google

# ADDRESS ON FARMING.

READ BEFORE THE HAMILTON COUNTY FARMERS' CLUB AT WESTFIELD, INDIANA, JUNE 1, 1870.

BY T. A. BLAND, EDITOR OF NORTH WESTERN FARMER.

Old earth, the benign mother of us all, justly claims our first attention, for it is upon her maternal bosom we repose in safety, and to her bountiful hand we look for every material comfort of life. In the infancy of our race her bounty fed her simple children with the productions of her young energies spontaneously produced. Now we have reached a state of intellectual and moral manhood. She requires us to earn our bread by the toil of our hands and the inspiration of our genius; and woe be to the indolent fellow who attempts to hang upon the maternal breast in idle vagrancy and thinks to nurse as an adult baby. There. Shame upon such an one; let him be hissed from honest society, and by the thongs of shame and poverty whipped into the ranks of honest workers.

Labor is the common duty of all; a lot not to be deprecated as a hard fate and shunned when possible, but a beneficence to be accepted gratefully, a destiny to be fulfilled religiously.

> "Toil is creation's crown, worship is duty,
> And greater than Gods in old days is the worker."

My friends, the sublimity of labor is among the grandest themes upon which the orator and the poet can dwell.

Intelligent labor is the pillar of civilization, and the records of her triumphs gild with a golden tinge the entire history of our race.

Digitized by Google

To labor is God-like, for God labors unceasingly. To refuse to labor is to become a beggar and sink into the slough of infamy. We are aware that the dignity of labor has thus far in this country been regarded too much in the light of an abstraction. Practically, labor has been held in disrepute by a large class of our people, and such tributes as I am now bestowing upon it they smile at as the rhapsodies of enthusiasts. Such sentiments are wholly anti-American, and are among the baleful influences still clinging to this nation as a part of her inheritance from her feudal ancestors. Let her rise up in the might of her glorious principles of equal rights and exact justice, and proclaim to all the world that he only is noble who nobly does his duty in whatever station in life he may be placed. And he the only plebian who fails to add his share to the world's wealth and humanities comfort. The question of reconstruction has agitated our country for years. We earnestly hope that when the political status of the States has been fixed, reconstruction of public sentiment on the subject before us may be earnestly prosecuted until the last vestige of that infamous aristocracy, with its long train of slimy spawns, toadyism, snobbery, &c., &c., shall have been rooted out, and we become in truth what we have heretofore only pretended to be, a Republican people. With these preliminary remarks, which seemed necessary as a prelude, I proceed to the more practical consideration of my subject.

Among the industrial pursuits, farming stands pre-eminent, and fruit growing is really but a branch of it. We have adopted a style of nomenclature, however, which divides agriculture and horticulture into two sciences, and, yielding to this arbitrary rule, we will so treat them in our remarks. Farmers, your profession is a laborious one, but it is also an independent, and, if properly pursued, a remunerative one. The most independent and remunerative of all the professions. Wait until you hear me out, before you demur at this statement. Mark my words. I say if *properly followed*, it is the most remunerative of all trades. Be it my mission to give you some hints on the proper conduct of this business. Some facts, by long experience, you have learned well; of these I need not

Digitized by Google

speak. There are some things, with all your experience, you have not learned fully. To these, or some of these, allow me to invite your attention.

## DRAINAGE.

A correct system of drainage, lies at the basis of successful farming. I do not mean simply open ditches to carry off surplus water from low lands. I mean what is termed under-draining, by which the rains of heaven are invited down to the roots of plants, and after performing its mission in dissolving the elements of fertility, and carrying them down to their roots, it passes off through these underground channels, instead of becoming stagnant, and chilling and poisoning the plants it should nourish. This is not only effected by under-draining but the air is also let into the sub-soil, carrying along with it the warm and life-giving influence of the sun. Entering the drains when not filled with water, this vital air rises up through the interstices of the earth, warming, mellowing, loosening the sub-soil until it reaches the surface.

This desirable result is greatly aided by sub-soiling; hence, sub-soiling and draining goes together properly. Some have supposed that under-draining was of no value without sub-soiling. I do not adopt this view; I hold that it is nearly, if not quite, always best to let the two go together, however. I have some claim to an intimate knowledge of your soils, having spent more than half my life in the country, and upon a clay farm; I speak advisedly, therefore. Your rich alluvial bottom lands are under-drained by nature, and their fertility has long been the wonder and envy of the beech flat and oak ridge farmers. Let me whisper a word in the ears of the latter class. I would not give one acre of your land for two—I have a great mind to say five,—of the coveted bottom lands. Your beech and sugar uplands, and even your oak ridges, are mines of wealth that, if properly worked, will not only prove wonderfully fertile, putting the river bottom lands to shame, but they will constantly improve under the manipulations of the intelligent and scientific farmer. Every dollar you spend in money,

Digitized by Google

every blow you strike, if properly done, will not only pay dividends at once, but continue to pay dividends forever afterward. I can not go into detail now, but do assure you that the first grand improvement your up-lands need, is to be thoroughly under-drained and deeply sub-soiled.

### MANURES.

After being under-drained and sub-soiled, your lands are in the best possible condition for the reception of manures. These are of two general classes: Decayed vegetable and animal matter, and green crops, such as clover, weeds, &c. Every farm should have its compost heaps, to which should be added constantly every waste substance that would make manure, besides as large quantities of leaves, muck, &c., as can be conveniently had. When one heap is large enough, leave it to ripen, and commence a new one. When ripe, or thoroughly rotted, put it on your fields judiciously. One of the best means of enriching land is by a system of clovering. This is a vigorous grower. Among all the plants known, it extracts the rich gasses from the atmosphere perhaps in larger quantities. It is, therefore, the best green manure we have. Besides, it is tap-rooted, sending its roots deep into the sub-soil, serving the office of the sub-soil to some extent when it has not been used, and greatly adding to the benefits to be derived from this implement where it has. I would not be understood to recommend either of the above systems of manuring as sufficient, but would have them go together. Land well manured will produce a heavy crop of clover, and this deeply turned under leaves the land in the best possible condition for other crops.

### ROTATION OF CROPS.

I will not dwell here longer than to say that grass, wheat, rye and barley should comprise your staple productions, while Indian corn and oats should be grown in moderate quantities. My reasons are that the first four articles are produced with much less tax upon the soil than the other two, while they are equally, if not more, valuable in market. Grass has not

Digitized by Google

been cultivated as a leading crop, yet the census shows that, excepting Indian corn, it exceeds in value any single product grown in America, and, leaving out corn and wheat, it is about equal to all other agricultural products, including cotton and tobacco. I would advise the farmers to sow more grass, get good breeds of cattle and sheep, and raise beef, butter, mutton, cheese and wool, instead of so much corn and pork. It is easier done, pays better, and leaves your lands in finer condition.

The subject of fences has attracted but little attention in this heavily timbered country, but I must be allowed to invite your attention to a few obvious facts. You need scarcely be told that while the amount of fencing absolutely required is rapidly increasing, the forest upon which we depend for material, is rapidly disappearing. Put the two together, and it is plain the time is not far distant when it will be impossible to fence our farms, unless something is done to remedy or avert this disagreeable dilemma into which we are being driven. I would recommend first, that you husband your present supply, stop cutting timber save when it is necessary to do so, then use it as economically as possible. Secondly, plant hedges wherever you wish permanent fences. These grow up in a few years so as to serve your purpose, and this style of fence is permanent, efficient, and very beautiful. So far as I have been able to learn, the Osage orange gives the most perfect satisfaction as a hedge plant. I know of a number of farms in this State, and a great many more in Illinois, which are almost wholly fenced with it, and to the entire satisfaction of owners. I should be glad to see it come into more general use all over the land; it would add to the beauty and value of your farms, while economizing your timber and lessening your labor.

### RURAL ECONOMY,

Is a subject too little understood by farmers. It is a great science, and in it lies one of the chief secrets of success in farming. Economy signifies to use without wasting. Under this definition, I fear the farmers would be found among the most prodigal of all the spendthrifts of the country. The principal capital of a young farmer, that upon which his great-

Digitized by Google

est hopes of success rests, is his health and strength, and manly vigor; let him be careful he does not squander these. Reasonable labor promotes health, but excessive toil exhausts vitality, breaks down the constitution, and makes a man old before his time. Farmers should so regulate their plans as to let each day and season have their round of duties, but never allow themselves hurried unreasonably. The man who begins life with a fair stock of health, should be in his prime at fifty, whereas a majority of farmers begin to fail at forty, and are old men at fifty,—proof positive that they have recklessly squandered their inheritance of health and vigorous manhood. I earnestly advise you to economize your strength, and carefully protect your health. Remember that aside from the pleasure of a long life of quiet industry and prudent habits, a much greater measure of success may be realized in forty years experience of such a life, than in twenty of hurry, worry and overwork. Undertake only what you may reasonably hope to perform well. A little farm, well tilled, will produce more than a large one, only half tended. It is estimated that one acre of land will sustain a family of three persons. How many farmers find it difficult to support a family on one hundred acres. My word for it, they would succeed better if they only had forty; and if they understood the science of farm economy, they could get rich on twenty acres. The great secret of concentrated effort has not been understood by our farmers as it should. Rural economy forbids the waste of any part of the crop after it is produced, but demands the utmost care in its preservation. To harvest in a hurried and slovenly manner, leaving, perhaps, ten per cent. of the crop on the ground, is a flagrant violation of her laws; and to leave the farm products or utensils exposed to the weather until spoiled, or even injured, is a sin upon which she visits her severest censure, and most speedy punishment.

I believe that I am safe in saying that our farmers loose ten per cent. of their entire crops through carelessness, and that their farm implements rust and rot from exposure, faster than they wear out from use. This is truly very bad economy. One of the most imperative maxims of rural economy is, that a

Digitized by Google

farmer should keep none but good stock, and of this, only so much as he can keep in good condition. It does not pay to keep scrub cattle, low-blooded horses, or unthrifty animals of any kind. They consume as much food, require as much care and cost as much, in every way, as *good* stock, but will not bring half the money when put in the market. It is bad economy, also, (as well as cruel,) to keep more stock than we can feed and shelter well. It not only depreciates the value of an animal to half starve it, and leave it exposed to inclement weather, but is a sure way to deprave the blood, and change good stock to scrubs. It is careful culture, mainly, which has developed our fine breeds of stock; and carelessness and cruelty will rapidly run them down. This fact should never be lost sight of. One of the most important lessons of rural economy, is that in which she teaches us to avail ourselves, as much as possible, of the aids furnished us by science and mechanism.

Agriculture is the very oldest of the arts, but it has never been pursued as a science. Experience has heretofore been the sole guide of the farmer. Philosophy now stands at the threshhold of our temple, ready to throw the light of science upon our pathway. Shall we refuse the aid of this brilliant luminary, and still grope on, guided only by the dim lamp of experience; or shall we, like rational men, like our brothers of other professions, avail ourselves of every aid within our reach? A thorough education, scientific as well as practical, is as necessary to the farmer as to the physician, or any other professional character; and the time is not far distant when an ignorant farmer will be regarded by his neighbors in the same light as a quack is now looked upon by scientific physicians. Let us look at this subject a moment: Chemistry teaches the composition of plants and soils, and the relation they bear to each other. Do you not see that this science could be made of great service to the farmer, by telling him what class of plants are best adapted to certain soils, and what his soil needed to adapt it to any crop he chose to grow?

Geology teaches the original formation, character and structure of soils, and is a valuable guide in the selection of a farm.

Digitized by Google

Entomology describes and gives the habits of the various insects that inhabit the earth and swarm in the air; telling us which are friends and which enemies, and how to protect the one and destroy the other. Thus, I might go through the catalogue of sciences, showing the bearing each had upon farming, but this will suffice.

We want more books and papers devoted to agriculture; we want an agricultural college, and we want agricultural science taught in our public schools.

Mechanism is an important ally of agriculture, and is destined to prove of great service to farmers. It is only through the aid of machinery, we are enabled to keep pace with the increasing demands for farm products. Without the reaper and mower, we could not save our summer harvests; and we would suffer serious inconvenience if deprived of the service of the threshing machine. These are familiar examples of what the mechanic is doing for the farmer. I predict that his inventive genius will not cease its triumphs until nearly or quite every operation on the farm can be performed by machinery, while the sole duty of the coming farmer will be to superintend its operations.

## HORTICULTURE.

This great branch of rural art, is progressing in a most encouraging and gratifying manner. Already it is recognized as a popular science; sustained by a host of learned professors, and backed by a literature of which any profession might well be proud.

Horticulture is not inaptly styled the flower of husbandry, and it is not wonderful, therefore, that it should present charms so seductive as to allure so many of our most intelligent and cultivated gentlemen into its study and practice. But I am entering a field here, that, in common justice, demands more time than I have left, and I forbear to proceed further at present; but promise, at some future time, if opportunity favors, to devote an hour to this science in your hearing.

Digitized by Google

# ANIMAL AND VEGETABLE FOOD.

Joseph Bentley, in his "Hearth and Home," adduces the following singular facts in relation to animal and vegetable food: It is a fact worthy of remark, and one that seems never to have been noticed, that throughout the whole animal creation, in every country and clime of the earth, the most useful animals cost nature the least waste to sustain them with food. For instance, all animals that work, live on vegetable food; and no animal that eats flesh works. The all-powerful elephant, and the patient, untiring camel, in the torrid zone; the horse, the ox, the donkey, in the temperate; and the reindeer in the frigid zone, obtain all their muscular power for enduring labor from nature's simplest productions, the vegetable kingdom. But all the flesh eating animals keep the rest of animated creation in constant dread of them. They seldom eat vegetable food until some other animal has eaten it first, and made it into flesh. Their only use seems to be to destroy life—their own flesh is unfit for other animals to eat, having been itself made out of flesh, and is most foul and offensive. Great strength, fleetness of foot, usefulness, cleanliness, and docility, are then always characteristic of vegetable eating animals; while all the world dreads flesh eaters.

Digitized by Google

# AGE OF ANIMALS.

A bear rarely exceeds twenty years; a dog lives twenty years; a wolf, twenty; a fox, fourteen or sixteen. The average age of cats is fifteen years; of a squirrel or hare, seven or eight years. Elephants have been know to have lived to the great age of four hundred years. When Alexander had conquered Porus, king of India, he took a great elephant, which had fought valiantly for the king, and named him Ajax, dedicated him to the sun, and let him go with this inscription: "Alexander, the son of Jupiter, hath dedicated Ajax to the sun." This elephant was found with this inscription 350 years after. Pigs have been known to live to the age of thirty years; the rhinoceros to fifty. A horse has been known to live to the age of seventy-two, but averages twenty-five or thirty. Camels sometimes live to the age of one hundred. Stags are long-lived. Sheep seldom exceed the age of ten. Cows live about fifteen years. An eagle died at Vienna at the age of one hundred and four years; ravens frequently reach the age of one hundred. Swans have been known to live three hundred years. Pelicans are long-lived. A tortoise has been known to live much above one hundred and ninety years.

Digitized by Google

# THE AMERICAN FARMER.

## JOSIAH QUINCY.

What is the position of the American farmer, when compared with that of the merchant, the politician, the lawyer? Should he be content with his lot for himself and his children; or should he leave his occupation and adopt some other? Like every other position, that of the farmer has its dark side as well as its bright one; and to decide on its comparative advantages, we must inquire what is the object of man's existence, and how he shall attain the end of his being?

To these questions, history and revelation, the world around us, and the spirit within us answer, that the object of man's existence is happiness; happiness here, and happiness forever. And the condition of that happiness is the diligent and proper exercise of his affections and faculties. If this be the case, does the situation of the American farmer offer a fair opportunity of insuring this happiness?

To be happy is the object of life; and all that the world can give toward it is health and competence. "Health of body is above all riches, and a strong body is above infinite wealth." And were is health to be found? There is no need of an audible answer. Look around on an assembly from the rural districts of the country, and we shall see bright eyes and blooming cheeks as well as strong arms and untiring strength, giving testimony that the earth's first blessing is bestowed upon those who labor upon her bosom.

But health is often undervalued by its possessor, or only appreciated when lost. Wealth, the more obvious and imme-

Digitized by Google

diate reward of labor, is the chief pursuit of the active. And here the farmer thinks he has a right to complain. The merchant will sometimes make more in a year than he can make in a lifetime; and it is not wonderful that he sometimes asks, would it not be better to leave small rewards, though regular and certain, for the chance of obtaining greater? To decide this question, we must ask, what is the price he pays? what is the reward he obtains? what is the price he pays? To say nothing of his moral exposures, in the great majority of cases, health of body and serenity of mind. Follow such a one into the crowded streets, or the close workshop. His strength for a time sustains him, but confinement and bad air soon deprive him of his healthful energy, and disease and premature decay become too often his portion. But supposing health can be preserved, where is the serenity of mind?

The risks attendant on rapid accumulation are always in proportion to the chances of success. The farmer sows his seed, and has no doubt but that the harvest will pay him. But he who embarks in speculations that promise sudden and great wealth, knows that he may be "sowing the wind to reap the whirlwind." And the constant fear of such a result imbitters his days, and renders his nights restless. And, if attained, success gives but little satisfaction. The higher the rise, the wider the horizon; the greater the accumulation, the more exorbitant the desire. And this is not the extent of the evil. A total want of independence is too often the result. Few men in our community have those resources that will enable them to carry on extensive operations on their own means. Almost all depend on borrowing, and the borrower is the servant of the lender.

But even if succes should be the portion of the aspirant for riches, when is he to attain it? Does it come forward to meet him? Years of anxiety may be repaid by wealth, but how seldom is this the case; more than ninety in every hundred, even in regular mercantile pursuits, fail. There are but few capital prizes in this lottery. The name of the fortunate holder may be seen at every corner, but where are the ninety and nine who draw blanks? And if attained, how uncertain

Digitized by Google

its possession. Wealth "gotten by vanity," by which I suppose Solomon meant by speculation, "shall be diminished, but he that gathereth by labor shall increase," is a doctrine as true now as when first delivered, and is one which the experience of every age tends to corroborate.

And after all, what is the advantage of great wealth, or what is great wealth itself? It exists only in comparison. "A man is as well off," said the great capitalist of the United States, "who is only worth a half a million of dollars, as he would be if he were rich;" and one of the satirical papers of the day tells us that when Baron Rothschild, the Jewish banker, read that the income of Louis Phillippe was only fifty dollars a minute, his eyes filled with tears, for he was not aware of the existence of destitution. After the comforts of life are supplied, wealth becomes merely an imaginary advantage, and its possession does not confer any material for happiness, which an industrious and forehanded farmer does not possess. "We will conquer all Italy," said Pyrrhus to his prime minister, "and then we will pass into Asia; we will overrun her kingdoms, and then we will wage war upon Africa, and when we have conquered all, we will sit down quietly and enjoy ourselves." "And why," replied the minister, "should we not sit down and enjoy ourselves without taking all this trouble?" And why may not you, it may be said to many an aspirant after wealth, enjoy in reality all you seek, in your present condition?

"Give me neither poverty nor riches," was the prayer of one of the sages of antiquity. And Lord Bacon, the wisest man of modern times, says: "Seek not proud riches, but rather such as thou mayest get justly, use soberly, distribute cheerfully, and leave contentedly." And can there be a truer description of a farmer's future? There is no greater independence than that possessed by the contented, fore-handed farmer. "Tell your master," said a Roman general, to the Embassador of the King of Persia, who came to bribe him with great wealth, and found him washing the vegetables that were to constitute his dinner, with his own hands, "tell your master that all the gold in Persia can never bribe the man who can contentedly live upon



Digitized by Google

turnips." The answer was as true in philosophy, as it was elevated in patriotism. To be happy, man must limit his desires. And when he has sufficient for his needs, he should remember that the temptation and perplexities incident to overgrown wealth, more than counterbalance its seeming advantages. Health of body and competence of estate, are all the requisites for organic happiness that the world can bestow. And to say that agricultural pursuits are eminently calculated to insure these, is only to reiterate the language of past ages, and to repeat the testimony of our own. If you leave such pursuits, the hazard increases as the profits augment. The amount of the premium is always proportioned to the greatness of the risk.

But health and the conveniencies of life, are not all that a man requires to make him happy. He desires to be useful; he wishes to be estecmed. And what profession can boast of a higher claim to utility, than that of the farmer? The greater part of mankind must be agriculturalists, and on their character the well-being of every State must depend. Our free institutions are valued, but how shall they be preserved? By the virtue of the people. History gives no other answer. No truth is more clearly emblazoned on her pages, than that if a nation would be free, they must be intelligently industrious. And here the agricultural class become of the first importance to the State. The influence of a virtuous yeomanry on her character, like that of the air on the individual, is seen in the strength of those who are unconscious of its presence. The agricultural life is one eminently calculated for human happiness and human virtue. But let no other calling or pursuit of honest industry be despised or envied. One cannot say unto another, "I have no need of thee;" and to every one there are compensations made that render all, in a great degree, satisfied with their lot. Envy not the wealth of the merchant; it has been won by anxieties that you never knew, and is held by so frail a tenure as to deprive its possessor of perfect security and perfect peace. While your slumbers have been sound, his have been disturbed by calculating chances, by fearful anticipations, by uncertainty of results. The reward of your labor

Digitized by Google

is sure. He feels that an hour may strip him of his possessions, and turn him and his family on the world in debt and penury. Envy not the learning of the student. The hue on his cheek testifies of the vigils by which it has been attained He has grown pale over the midnight lamp. He has been shut up from the prospects of nature, while sound sleep and refreshing breezes have been your portion and your health. Envy not the successful statesman. His name may be in every ones mouth. His reputation may be the property of his country, but envy and detraction have marked him. His plans are thwarted, his principles attacked, his ends misrepresented. And if he attain the highest station, it is to feel that his power only enables him to make one ungrateful, and hundreds his enemies, for every favor he can bestow. Envy no one.

The situation of an independent farmer stands among the first, for happiness and virtue. It is the one to which statesmen and warriors have retired, to find, in the contemplation of the works of nature, that serenity which more conspicuous stations could not impart. It is the situation in which God placed his peculiar people in the land of Judea, and to which all the laws and institutions of His great law-giver had immediate reference. And when, in the fullness of time, the privileges of the chosen seed were to be extended to all His children, it was to shepherds, abiding in the field, that the tidings of great joy were first announced. Health of body, serenity of mind and competence of estate, wait upon this honorable calling; and in giving these, it gives all the present can bestow while it opens, through its influence, the path to Heaven.

Digitized by Google

# GEOLOGICAL REPORT.

TO THE PUBLIC.

This Report of the Indiana State Board of Agriculture was prepared by the undersigned and ready for publication in January. The preface was written with the understanding that the Geological Report of Professor E. T. Cox, State Geologist, would be published in the same volume. The manuscript of the Professor's report and the maps to accompany it were more than half completed, and it was confidently expected that all would be finished and ready for the press at an early day. But sickness, resulting in death, in the Professor's family, and his own sickness and continued bad health up to the present time, has prevented the completion of his report.

It being very desirable that the Agricultural Report should be published and distributed before the next Annual State Fair, it was thought best, after consultation with the President of the State Board and the Professor, to publish and distribute this Report in advance of the present Geological Report. That report will be published when completed, and will also be included in the State Board Reports for 1871.

The delay in publishing this valuable report at this time is much to be regretted, but the Professor will continue his geological examinations in different parts of the State, and will add much new and valuable information in regard to the mineral wealth and resources of other counties, and make the report of greater value when published.

Jo. POOLE, Secretary,
Ind. State Board Ag'l.

Digitized by Google

## LUKENS' ECCENTRIC DITCHING MACHINE.

**Exhibited by R. L. LUKENS, Indianapolis.**

Digitized by Google

Digitized by Google

# INDEX.

## A


| | PAGE. |
|---|---|
| Annual Address of President | 3 |
| Admission Fees | 29 |
| Address of Retiring President | 34 |
| Appropriation for Premiums, 1870 | 35 |
| Appropriation for Library | 35 |
| Appropriation for Birds of Indiana | 36 |
| Allowance to J. B. Sullivan | 38 |
| Allowance to F. Beeler | 38 |
| Amendments to By-Laws | 39 |
| Agriculture, Superintendent of | 71 |
| Albeshart, Protest of | 91 |
| Appeals of Smith, Jones and Wilson | 91 |
| Appointments of Superintendent | 96 |
| Advertising on Fair Ground Fence | 98 |
| Appropriation for Fair Grounds | 100 |
| Appropriation for Secretary's Supplies | 101 |
| Agricultural Department—Premiums Awarded | 179 |
| Address of Mayor Macauley | 380 |
| Address of T. A. Hendricks | 382 |
| Address of Delano | 383 |




Digitized by Google

PAGE.

Address of Col. T. J. Stauber ..... 384
Agricultural Fairs, Benefits of ..... 397
Agricultural Education ..... 401
Animal and Vegetable Food ..... 413
Animals, Age of ..... 414
American Farmer ..... 415

## B

Bonds, Investments in ..... 35
Birds and Animals, Appropriation for ..... 36
Bond, as Treasurer, of C. Dickson ..... 37
Beeler F., Allowance to ..... 38
By-Laws, Amendment to ..... 39
Bowen and Stewart, Claim ..... 97
Bull Calves and Geldings—Resolutions ..... 108
Butter, Prize Essay on ..... 212
Benefit of Agricultural Fairs ..... 397

## C

County and District Societies, Members of ..... 2
Committee on Finance, Delegate Board ..... 21
Committee on Rules and Regulations ..... 21
Committee on Fair Grounds ..... 21
Committee on Unfinished Business ..... 21
Committee on Premium List ..... 22
Committee on Credentials ..... 22
Committee, Select, on Minerals ..... 22
Committee on Printing ..... 24
Credentials, Committee's Report on ..... 24
Corn, Premium offered on ..... 26
Committee, Executive ..... 35
Committee to investigate W. H. Loomis' Account ..... 36
Committee on Finance and Claims ..... 37
Committee on Rules and Regulations ..... 37
Committee on Fair Grounds ..... 37

Digitized by Google

PAGE.

Committee on Unfinished Business ..... 37
Committee on Premium List ..... 37
Committee on McCord & Wheatley's Claim ..... 37
Collection of Old Claims ..... 38
Claim of D. Knefler ..... 40
Committee on Constitution and By-Laws ..... 42
Committee on Revising Premium List ..... 42
Cattle, Superintendent of ..... 51
Carriages and Wagons, Superintendent of ..... 67
Complimentary Tickets ..... 93
Complimentary Tickets, Report on ..... 95
Claim of Bowen & Stewart ..... 97
Clay County Excursion ..... 103
Committee on Premiums at Fair, Oct. 2, 1870 ..... 111

## D

Department, Superintendent's ..... 26
Distribution of Agricultural Reports ..... 26
Delegates, Complimentary Tickets ..... 34
Dickson C., Bond as Treasurer ..... 36
Dickson, Treasurer's Report ..... 96
Delano, Address of ..... 383

## E

Election of Members, 1870 ..... 26
Executive Committee, 1870 ..... 7, 35
Election of Officers, 1870 ..... 35
Election of Superintendent ..... 38
Explosion—Resolution ..... 43
Excursion to Clay County ..... 103
Essay on Planting Corn ..... 195
Essay on Butter, Prize ..... 212
Essay on Cider Vinegar ..... 245
Excursion to Clay County ..... 373
Excursion to Clay County, Items of ..... 385

Digitized by Google

PAGE.
Excursion to Clay County, Ladies of ..... 387
Excursion to Clay County, Programme ..... 387
Excursion to Clay County, Resolutions ..... 389
Education—Agriculture ..... 401

## F

Finance Committee, Report of ..... 27, 94
Fees, Admission ..... 29
February Meeting of the State Board ..... 41
Fine Arts Department, Superintendent of ..... 87
Fair Ground, Committee's Reports ..... 94
Fair Ground Fence, Advertising ..... 98
Fair Ground, Appropriation ..... 100
Free Passes ..... 106
Fine Arts, Premiums ..... 233
Fairs, Agricultural ..... 397
Farming, Address on ..... 405
Food, Animal and Vegetable ..... 413
Farmer, American ..... 415

## G

General Regulations ..... 30
Gate Keepers and Police ..... 97
Geological Report ..... 420

## H

Horses and Mules, Superintendent of ..... 47
Hogs and Sheep, Superintendent of ..... 53
Horticulture, Superintendent of ..... 78
Hogs, Prize Essay on ..... 191
Horticultural Department, Premiums Awarded ..... 213
Hendricks, Hon. T. A., Address ..... 382

Digitized by Google

## I

PAGE.
Indiana State Fair, Time ..... 23
Instrument in Bonds ..... 35
Investigating on W. H. Loomis ..... 36
Indiana State Board, 1870 ..... 37
Instructions to Judges ..... 45
Indianapolis Agricultural and Mechanical Association, petition of ..... 89
Iron and Steel, Premiums on ..... 100
Indianapolis Fair, Purchase of Fixtures ..... 109
Items of Excursion ..... 385

## J

January Meeting ..... 1
January Meeting of State Board proper ..... 34
Judges, Instructions ..... 45
Jones, Wm. M., Protest ..... 119

## K

Knefler, D., Claim of ..... 40

## L

Library, Appropriation of ..... 35
Loomis, W. H., asks an Investigating Committee ..... 36
List of Premiums on Live Stock ..... 47
List of Premiums on Mechanical Department ..... 57
List of Premiums on Agricultural Department ..... 71
List of Premiums on Horticultural Department ..... 78
List of Premiums on Miscellaneous Department ..... 84
List of Premiums on Fine Arts Department ..... 87
Loomis, W. H., Report of Committee ..... 96
Live Stock, Premiums Awarded on ..... 128

Digitized by Google

PAGE.

Ladies of Clay County Excursion ..... 387
Letter of Miss L. Ream ..... 391

## M

Meeting of Delegate Boards ..... 1
Members, County and District, January Meeting ..... 2
Members, State Board, 1870 ..... 7
Members, Nominations of ..... 23
Members, Election of ..... 26
Meeting of State Board proper ..... 34
McCord & Wheatley, Claim ..... 37
Members, per Diem and Mileage ..... 38
Meeting of State Board proper, February ..... 41
Mechanical Department, Superintendent of ..... 57
Miscellaneous Department, Superintendent of ..... 84
Martin Lymon, Proposition ..... 98
Members to State Fairs ..... 101
Meeting of State Board proper, October ..... 105
Macauley, Police ..... 106
Mechanical Department—Premiums Awarded ..... 151
My own Place ..... 224
Miscellaneous Department—Premiums Awarded ..... 226
Mayor Macauley, Address ..... 380

## N

Nominations of Members ..... 23
Non-Enumerated Premiums Awarded ..... 338

## O

Officers elected for 1870 ..... 35
Officers Salaries ..... 39
October Meeting on Fair Ground ..... 105
Old Arm Chair ..... 171

Digitized by Google

## P


| | PAGE. |
|---|---|
| Proceedings of January Meeting, 1870 | 1 |
| Presidents Annual Address, 1870 | 3 |
| Preface | 9 |
| Premiums offered on Corn | 26 |
| Per Diem and Mileage, Investigation of | 28 |
| Premium Committee, Report of | 32 |
| Prohibition of Side Shows | 32 |
| Per Diem and Mileage, Report on | 33 |
| Proceedings of January Meeting, S. B. proper | 34 |
| Premium Appropriation for 1870 | 35 |
| Per Diem and Mileage of Members | 38 |
| Proceedings of February Meeting, S. B. proper | 41 |
| Premium List, Committees of | 42 |
| Premium offered on Live Stock | 47 |
| Premium offered on Mechanical Department | 57 |
| Premium offered on Agricultural Department | 71 |
| Premium offered on Horticultural Department | 78 |
| Premium offered on Miscellaneous Department | 84 |
| Premium offered on Fine Art Department | 87 |
| Petition of Indianapolis Agricultural and Mechanical Association | 89 |
| Protest of J. Geo. Stilz | 90 |
| Protest of Albeshart | 91 |
| Protest of Youart | 91 |
| Police and Gate Keepers | 97 |
| Proposition of L. Martin | 98 |
| Premium offered on Iron and Steel | 100 |
| Proceedings of October Meeting | 105 |
| Police by Mayor Macauley | 106 |
| Premium Committees, October 2, 1870 | 111 |
| Protest of W. M. Jones | 118 |
| Premium awarded on Live Stock | 123 |
| Premium awarded in Mechanical Department | 145, 151 |
| Premium awarded in Agricultural Department | 179 |
| Prize Essay on Hogs | 191 |
| Prize Essay on Corn | 195 |


Digitized by Google

PAGE.
Premium on one acre of Wheat ..... 199
Premium on five acres of Corn ..... 201
Prize Essay on Butter ..... 212
Premium awarded in Horticultural Department ..... 213
Premium awarded in Miscellaneous Department ..... 226
Premium awarded in Fine Arts Department ..... 233
Premium awarded in Non-Enumerated Department ..... 238
Prize Essay on Cider Vinegar ..... 245
Park County Report ..... 326
Poole J., Correspondence ..... 370
Programme, Excursion ..... 387

## R

Report of Secretary ..... 9
Report of Treasurer ..... 14
Report of Superintendent ..... 16
Report of Committee on Credentials ..... 24
Resolution in regard to Steam ..... 24, 32, 107
Resolution for Distribution of Reports ..... 26
Reports, Distribution of ..... 26
Report of Committee on Finance ..... 27, 94
Resolution to investigate Per Diem, etc ..... 28
Rules and Regulations ..... 29
Resolution in regard to Steam ..... 32
Report of Committee on Premiums ..... 32
Report on Unfinished Business ..... 33
Report on Per Diem and Mileage ..... 33
Resolution in regard to Explosion ..... 92
Resolution in regard to Complimentary Tickets ..... 93
Report of Committee on Fair Ground ..... 94
Report on Complimentary Tickets ..... 95
Report of Treasurer on money invested ..... 96
Report of Committee on W. H. Loomis ..... 98
Report of Committee on Rules and Regulations ..... 101
Resolution in regard to State Board, Reports of 1869 ..... 101
Resolution in regard to Clay County Excursion ..... 102

Digitized by Google

PAGE.

Resolution in regard to Cattle and Premiums..... 102
Resolution in regard to Clay County Excursion at Terre Haute..... 104
Resolution in regard to Clay County Excursion at Bates House..... 105
Resolution in regard to Free Passes..... 106
Resolution in regard to Bull Calves and Geldings..... 108
Resolution in regard to purchase of Fixtures of Indianapolis Fair..... 109
Resolution in regard to Reapers, Mowers, Saw-Mill, etc..... 116
Resolution in regard to Citizens of Indianapolis..... 122
Report, Recapitulation of..... 364
Resolution, S. B. A. Excursion..... 388
Beam, Miss Laura, Excursion Letter..... 391

Report of County and District Societies—

Allen County..... 253
Bridgetown Agricultural Society..... 254
Boone County Agricultural Society..... 256
Decatur Township Agricultural Society..... 258
Decatur County Agricultural Society..... 259
Daviess County Agricultural Society..... 261
Dearborn County Agricultural Society..... 262
Elkhart County Agricultural Society..... 264
Fountain, Monroe and Vermillion Agricultural Society..... 265
Fayette County Agricultural Society..... 267
Fountain and Warren Agricultural Society..... 270
Fall Creek Agricultural Society..... 273
Fulton County Agricultural Society..... 275
Grand Prairie Agricultural Society..... 276
Gibson County Agricultural Society..... 279
Gosport District Agricultural Society..... 281
Grant County Agricultural Society..... 282
Huntington County Agricultural Society..... 284
Henry County Union Agricultural Society..... 288
Hendricks County Agricultural Society..... 291
Hancock County Agricultural Society..... 293
Howard County Agricultural Society..... 297
Hamilton County Agricultural Society..... 300
Harrison County Agricultural Society..... 302
Johnson County Agricultural Society..... 304

Digitized by Google

PAGE.
Jefferson County Agricultural Society ..... 306
Kosciusko County Agricultural Society ..... 309
Laporte County Agricultural Society ..... 310
Lagrange County Agricultural Society ..... 311
Lawrence County Agricultural Society ..... 313
Madison County Agricultural Society ..... 316
Morgan County Agricultural Society ..... 318
Montgomery County Agricultural Society ..... 321
Marion County Agricultural Society ..... 323
Monroe County Agricultural Society ..... 324
Parke County Agricultural Society ..... 326
Posey County Agricultural Society ..... 328
Putnam County Agricultural Society ..... 331
Rush County Agricultural Society ..... 334
Sullivan County Agricultural Society ..... 335
St. Joseph County Agricultural Society ..... 338
South-Eastern Indiana Agricultural Society ..... 339
Spencer County Agricultural Society ..... 341
Tippecanoe County Agricultural Society ..... 343
Boone, Clinton and Montgomery Agricultural Society ..... 345
Johnson, Shelby, Bartholomew and Brown Agricultural Society ..... 347
Union County Agricultural Society ..... 349
Vigo County Agricultural Society ..... 352
Wabash County Agricultural Society ..... 353
Warrick County Agricultural Society ..... 356
Wayne County Agricultural Society ..... 360
Recapitulation of Reports ..... 364
Report, Geological ..... 420

## S

State Board, Meeting of, January ..... 1
State and Delegate Board, Meeting of ..... 1
State Board, Members of ..... 7
Secretary's Report ..... 9
Superintendent's Report ..... 16
Steam—Resolutions ..... 24, 32, 107

Digitized by Google

PAGE.
Side Shows, Prohibition of ..... 32
State Board proper, Meeting of..... 34
State Board, Officers for 1870..... 35
Superintendent, Election of ..... 37
Sullivan, J. B., extra Allowance ..... 38
Salaries of Officers..... 39
State Board proper, Meeting of, February..... 41
Sullivan, J. B., Resolution..... 42
Superintendent of Horses and Mules..... 47
Superintendent of Cattle..... 51
Superintendent of Hogs and Sheep..... 53
Superintendent of Mechanical Department..... 57
Superintendent of Carriages, Wagons, etc..... 67
Superintendent of Agriculture..... 71
Superintendent of Horticulture..... 78
Superintendent of Miscellaneous..... 84
Superintendent of Fine Arts Department ..... 87
Superintendents, Appointments of..... 96
Smith, Jones and Wilson, Appeals of..... 91
Superintendents of Departments..... 96
State Fairs, Members to..... 101
Secretary's Supplies, Appropriation ..... 101
State Board, Reports of, 1869..... 101

## T

Treasurer's Report..... 14
Telegraph, Illinois State Fair ..... 22
Tickets, Complimentary ..... 93
Tribute to Genius and Labor ..... 150
Taylor, Mrs. M. D., Correspondence..... 370

## U

Unfinished Business, Report on..... 33
United States Bonds, Purchased by Treasurer ..... 96

Digitized by Google

## W

PAGE.
Wheat, Statement of One Acre ..... 199

## Y

Youart, J. M., Protest of..... 91

Digitized by Google

Digitized by Google

Digitized by Google

Digitized by Google

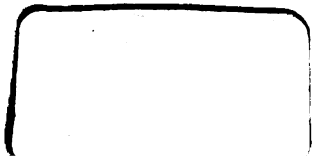
Digitized by Google

Digitized by Google

Digitized by Google

Digitized by Google

Digitized by Google



Digitized by Google